1997 WRITERS' SOAPBOX AWARDS: THE YEAR'S BEST AND WORST

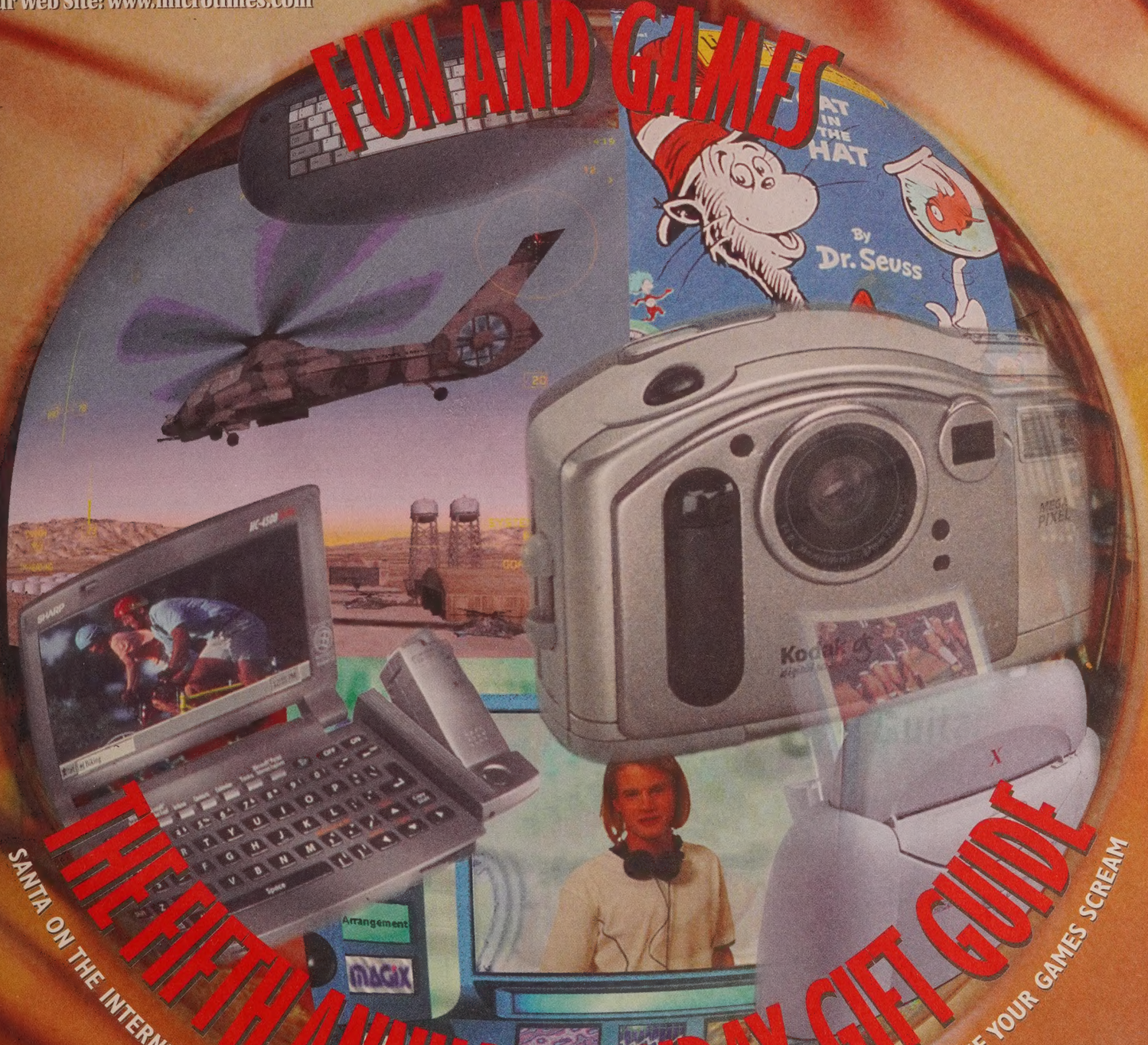
Northern California's Computer Magazine

November 24, 1997 • #172 FREE

MICROTIMES

Visit Our Web Site: www.microtimes.com

FUN AND GAMES



THE FIFTH ANNUAL HOLIDAY GIFT GUIDE

SANTA ON THE INTERNET: YOUR HOTLINE TO THE NORTH POLE • DVD & 3D CARDS: HARDWARE TO MAKE YOUR GAMES SCREAM

Touch Computer Systems

Your local PC components distributor and manufacturer of custom computer systems.

TOUCH LITE System

Desk Top Case
200Mhz Pentium® processor with MMX technology
32MB Ram
1.44 Floppy Drive
1.6GB Enhanced IDE Hard Drive
Video 4MB/ VRAM
56K bps Modem
24X IDE CD-ROM Drive
16-bit Sound Card
104-key keyboard
Microsoft Windows 95
2-button Serial Mouse
15" Digital Monitor

TOUCH System

Mini Tower Case
266Mhz Pentium®II processor
32MB Ram
1.44 Floppy Drive
2.5GB Enhanced IDE Hard Drive
Video 4MB/ VRAM
56K bps Modem
24X IDE CD-ROM Drive
16-bit Sound Card
Ergonomic 104-key keyboard
Microsoft Windows 95
Internet Mouse 3-button (1scroll)
15" Digital Monitor
Touch Video Conference Kit

TOUCH PRO System

Mini Tower Case
300Mhz Pentium®II processor
64MB Ram
4.3GB Enhanced IDE Hard Drive
AGP Video/ 4 MB SGRAM
56K bps Modem
24X IDE CD-ROM Drive
16-bit Sound Card
Ergonomic 104-key keyboard
Microsoft Windows 95/ Microsoft NT Work Station 4.0
Internet Mouse 3-button (1scroll)
17" Digital Monitor
Touch Video Conference Kit

Touch Enterprise System

Server Solutions for the enterprise of all sizes

The Internet, intranets and extranets have changed all the rules. Access to information is a 24x7 proposition. Today, even small and medium size companies need the power, salability, reliability and fault-tolerance once reserved for big data centers. Supercom's Touch Enterprise Series won't let you and your data down.

- ***Power & Scalability***
- ***Reliability and Fault-Tolerance***
- ***Enterprise Level System Management***
- ***Let Supercom Build an Enterprise Server Solution for You***

MMX™ intel inside pentium® II PROCESSOR

- Arizona
- California (Milpitas)
- California (San Diego)
- Colorado
- Florida
- Illinois
- Kansas
- Massachusetts
- Minnesota
- New Jersey
- New York(Buffalo)
- Oregon
- Pittsburgh
- Texas (Dallas)
- Texas (Houston)
- Texas (San Antonio)
- Utah
- Washington
- Washington D.C.
- Toronto
- Vancouver
- Montreal
- London (England)

...and growing!

Call your *local* Supercom office at
1-800-888-1888
supercom.com
ISO 9002 Certified

The Intel Inside Logo and Pentium logos are registered trademarks and MMX is a trademark of Intel Corporation. All other product and company names are the trademarks or registered trademarks of their respective owners.

Supercom TOUCH

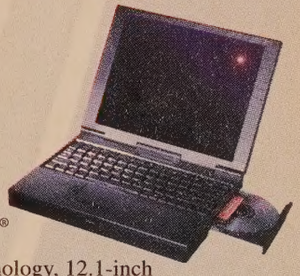
Sceptre's Soundx Notebooks Are:

Rated #1 in *PC Digest*

"The Sceptre Soundx 5500 Notebook is the fastest system in the review..."

"Sceptre takes top honors with the Sceptre Soundx 5500, which leaves all the other notebooks in its tracks when running NSTL's gauntlet of performance benchmarks. This is a very fast desktop replacement with a 233-MHz Pentium® processor, a 13.3-inch XGA display, and a roomy 3GB hard disk drive for storing large multimedia files."
NSTL PC Digest, September 1997

Best Buy - *PC Portables*



"The Sceptre Soundx 4500 is an impressive machine..."

"Sceptre is selling this computer [166 MHz Pentium® processor with MMX™ Technology, 12.1-inch TFT SVGA display, 2.1 GB HDD] with 40 MB of RAM...for just under $3,400, which puts well within the reach of many. This configuration ... deserves our **"Best Buy"** rating for the value represented."
PC Portables, November 1997

In head to head comparisons against the likes of Compaq, Hewlett-Packard, Gateway 2000, Micron and Hitachi, to name a few, Sceptre's Soundx notebooks have proven themselves the best. Call now for a distributor near you or check out our web-site for more information.

MMX™ intel inside pentium® PROCESSOR

www.sceptre.com 1-888-580-5588

The Intel Inside Logo and Pentium are registered trademarks and MMX is a trademark of Intel Corporation.

SCEPTRE®
THE FIRST, THE BEST, THE ONLY

Liuski International sells to more than 30,000 customers world-wide including value added resellers, system integrators, and smaller distributors. We offer our customers competitive pricing on all our products as well as a broad range of financial services. The size of the customer does not matter, Liuski goes out of its way to ensure each customer receives the individual attention that best serves their needs.

Deck the Offices

ISO 9001 CERTIFIED

Liuski
INTERNATIONAL, INC.

Atlanta, GA
Melville, NY
Los Angeles, CA
Chicago, IL
Miami, FL
Toronto, Canada

Magitronic Systems' and Notebooks' "Power of Value" comes to you with the Intel Pentium® Processor with MMX™ technology and the Intel Pentium® II Processor. Pre-Configured models are available and in stock now. Customized/Personalized versions, where you can mix and match any of Intel's leading processor's with Magitronic's own outstanding products, can be ordered today.

The Magitronic logo and The Power of Value are registered trademarks of Magitronic Technology, Inc. The Intel Inside Logo and Pentium are registered trademarks and MMX™ is a trademark of Intel Corporation. Pentium® II processor combines the benefits of the Pentium® Pro processor and Intel's MMX™ media enhancement technology. Features and specifications are subject to change without notice.

For more information please call any of the dealers listed below.

Executive Computing 805.682.4289
Active Computer Services 916.621.4424
Virtec Solution Proulder 909.445.0841, 626.419.9241
Priori Enterprise 702.647.7446
Bomar Enterprises 209.296.4370
Mountain View Research 916.841.1936

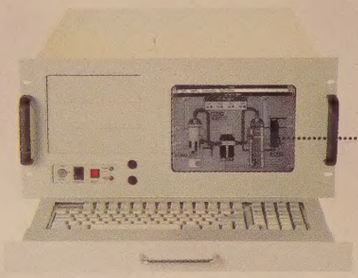
MAGITRONIC®
THE POWER OF VALUE

www.magitronic.com

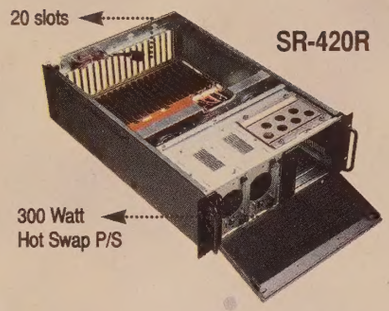
Siliconrax

Industrial Computer Specialists

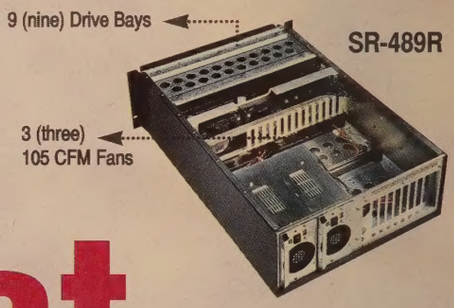
Completely Configured Systems ◆ Rackmount Systems Enclosures
NEMA 4/12 Industrial Workstations ◆ Monitors & Monitor Enclosures
Keyboard & Keyboard Enclosures ◆ Single Board Computers ◆ Passive Backplanes



SR-5930



SR-420R



SR-489R

What do you want... in your system ?

RAID Fault Tolerant File Server
for CTI, Networking, ISP Application

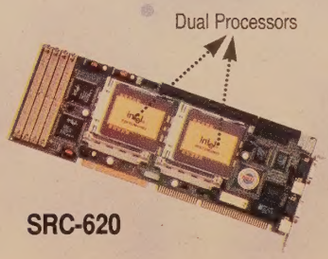
We customize your systems & chassis to suit your requirements & budget!

Chassis

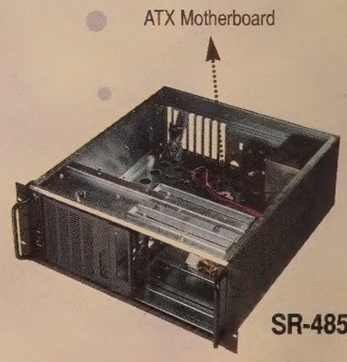
- Supports standard motherboard/ATX
- 8-20 slot Backplane
- Supports up to 9 drive bays (5.25")
  w/ single or Hot Swap Power Supply
- Designed to meet FCC Class B, UL 1950 & CSA

SBC

- From 486 to Dual Pentium Pro Processor
- Compatible w/ WIN NT, OS/2, LAN, SCO Unix...
- On-Board VGA/ SCSI options



SRC-620



SR-485ATX

We design and manufacture custom chassis!!!

1-800-700-8560

Made in USA

COMDEX Fall '97
Nov. 17 - 21, 1997
Las Vegas Convention Center
Pavillion #2, Booth No. 2446

Computer TELEPHONY CONFERENCE 98 EXPOSITION
March 3 - 5, 1998
Los Angeles Convention
Internet Pavillion, Booth No. 3501/3600

*Ask for a FREE pass.

1202 Apollo Way, Sunnyvale, California 94086 Tel: (408) 720-1090 Fax (408) 245-2570 http://www.siliconrax.com E-mail: info@siliconrax.com

What Will Our AlphaScan Displays Do To The Competition?

When it comes to producing the finest displays, nobody outguns SAMPO.

More Reliability - The world's largest computer manufacturers have used SAMPO displays since IBM introduced their first PC in 1982. And most of these displays are still operating. Now that's reliable.

Superior Performance - Our on screen performance is visually outstanding. You'll get vibrant colors and pin-sharp text with every SAMPO display.

Model	CRT/ Viewable	Maximum Resolution	Controls	Dot Pitch
Value Series				
KM-411	14" / 13.0"	1024 x 768	Digital	.28mm
KM-511L	15" / 14.0"	1024 x 768	Digital	.28mm
KM-711L	17" / 15.8"	1280 x 1024	OSD	.28mm
Performance Series				
KM-520LP	15" / 14.0"	1280 x 1024	OSD	.28mm
KM-711S	17" / 15.8"	1600 x 1280	OSD	.26mm
* KM-761	17" / 16.1"	1600 x 1280	OSD	.25mm
KM-810	19" / 18.0"	1600 x 1280	OSD	.26mm
KM-835	20" / 19.0"	1600 x 1280	OSD	.28mm
KM-950	21" / 20.0"	1600 x 1280	OSD	.28mm

* Diamondtron Aperture Grill CRT. Diamondtron is a registered trademark of Mitsubishi Electric.

Priced To Sell - The fact that we offer the most aggressively priced displays is the best kept secret in the industry. Feel free to call us, and we'll tell you all about it.

Incomparable Service - We do whatever it takes to earn and keep your business. With SAMPO, you get Technical, Sales, Customer Support, Shipping or Expediting service the way you want it.

Set your sights on SAMPO'S fine line of color displays today. To find out more about SAMPO, please contact one of our fine distributors listed below, or call us toll-free at **1-888-321-4100**.

SAMPO
TECHNOLOGY
Corporate Grade Displays. Phone 770 449 6220 fax 770 447 1109

ATMAN PC COMPUTER 650 827 0832 • 415 456 9339 **CAL LOGIC SYSTEM, INC** 510 354 0835 **COLFAX** 408 730 2275 **LAITRON COMPUTER** 408 321 9488 • 510 647 1777 • 510 460 0580 **NETIS** 408 263 0368
PC TEN INC. 510 652 5268 **PIXEL USA COMPUTER** 408 923 8333 **POLYWELL COMPUTERS** 415 583 7222 **RIGHT TECH INC** 408 524 5400 **SAN FRANCISCO COMPUTER** 415 752 3891

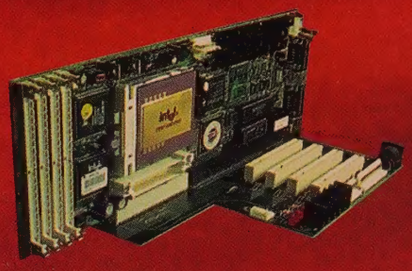
MacUser RATED ††††
AlphaScan 760 Five Stars PC Today, Sep. 1996
Recommended 1996 Reseller News
PC World TOP 10
Reseller News Test Center Recommended 1995
PC Computing
MAC HOME

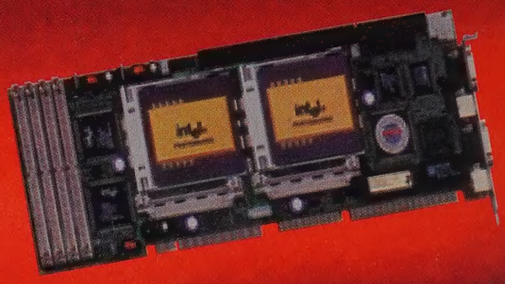
All publications mentioned are trademarks of their respective companies.

RACK MOUNT PC PRODUCTS

SINGLE BOARD COMPUTERS

- SBCs with MMX® processor support
  - Up to 233MHz Intel MMX® processors
  - AMD K6 MMX® processor
- Dual Pentium Pro SBC
  - Up to two 266MHz Pentium® Pro processors
  - Dual Voltage Regulator Modules (VRM)
  - Up to 256MB system memory
- Integrated SVGA video and Ultra Wide SCSI models
  - ATI Mach64 video with 2MB video memory
  - Adaptec Ultra Wide (AIC-7880) SCSI interface
- ISA and PCI passive backplanes
  - 4, 8, and 14 slot 16-bit ISA backplanes
  - 8 and 14 slot PCI/ISA backplanes
  - Bridged 14 slot backplane with 7 PCI slots
  - Segmented backplanes available





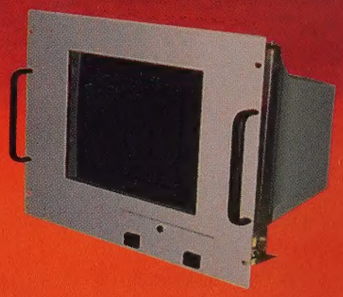
NEW ATX ENCLOSURES

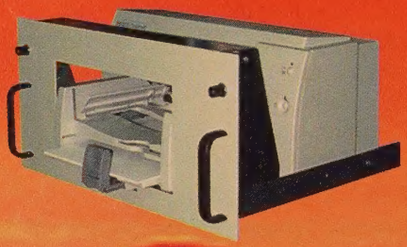
ENCLOSURES

- ATX form factor enclosures available
- Integrated 10" color or 9" mono SVGA monitors
- Anodized aluminum chassis
- 8 and 14 slot ISA or PCI/ISA backplane models
- AC, DC, & Redundant power supply options
- Designed and made in the U.S.A.
- Custom enclosures available

MONITORS AND KEYBOARDS

- 9" to 17" rack mount monitors
- Mono SVGA to Multi-frequency models
- Rack Mount keyboards with integrated mice
- Rack Mount monitor and keyboard enclosures





PRINTERS

- Rack Mount Color Inkjet printers
- Rack Mount HP 600 series Inkjet printer enclosure
- Parallel Interface

Call for our free Rack Mount PC Product catalog

1-888-RECORTEC

Or visit our web page

www.recortec.com

Pentium and MMX are registered trademarks of Intel

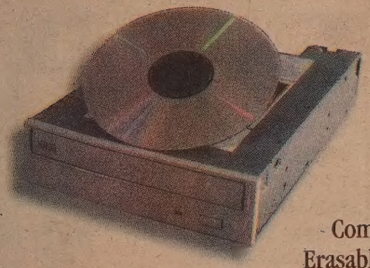
RECORTEC, INC.

1290 Lawrence Station Road, Sunnyvale, CA 94089
Tel: (408) 734-1290 Fax: (408) 734-2140

SCSI STORAGE SUPER SALE

NEW! PLUG AND PLAY MULTIMEDIA DVD DRIVE

$295



Step up to DVD today. Get Toshiba quality and TRUE multi-media media performance. DVD disks hold up to 17GB! Play any Compact Disk - CD -ROM, CD -1, DVD, Erasable DVD, and MPEG video. Toshiba's SD-M1002 is the first DVD-ROM with universal support. Not only all that, it's easy to install! Just connect the standard IDE connector and Windows '95 or NT will automatically recognize the drive. Pop in a DVD disk and operate it like a regular CD, only faster.

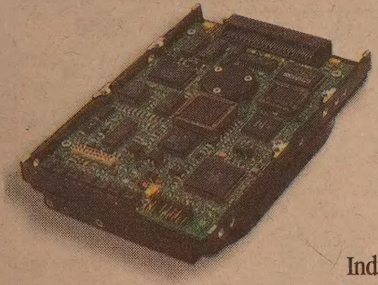
NEW! HIGH PERFORMANCE 4300MB 3½" SCSI DRIVES

$395

Don't wait any longer to expand your computer's storage space. These 7200RPM Barracuda drives offer you top performance at the lowest prices ever! Your files and applications keep getting bigger. It's time for you to get a bigger hard drive. These rock solid 4.3GB SCSI-II drives will reliably store vast amounts of your digital data and let you access it quickly. Pick one up today and get the best SCSI performance available at an affordable price.

NEW! 2GB SEAGATE DRIVE 3½", 7200RPM, 8.5ms

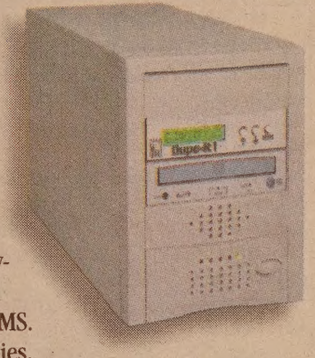
$169



Zip through disk intensive applications. Store vast amounts of data and access it quickly. An optional SCA to SCSI adapter has 3 interface connectors on one drive: Industry standard 50 pin SCSI-II, 10MB⁄s; Upward compatible 68 pin Fast & Wide SCSI, 20MB⁄sec; Disk array & workstation standard hot plug 80 pin SCA. These new Seagate drives are compatible with any SCSI system, from older 10MB⁄sec SCSI-II machines to minicomputer disk arrays. Now you can accelerate your SCSI system, just by adding a drive.

CD-ROM DUPLICATOR NO COMPUTER REQUIRED

$1295



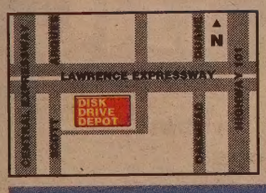
It just doesn't get any easier than this. Pop a CD-ROM into the *CD Dupe-It!*, and push the button to copy it to the A/V Certified hard drive. Then insert a blank recordable CD, and push the button again to produce an exact byte-by-byte copy of the original CD-ROM. You'll copy data, audio and Multimedia CD-ROMS. *CD Dupe-It!* easily produces perfect copies, even down to the serial numbers. Includes everything you need to start duplicating today.

Intended for in-house duplication and backup purposes only. All applicable copyright provisions must be observed.

OPEN: MON-SAT
10:30AM
6:30PM

Disk•Drive•Depot

FOR ALL THE LATEST BARGAINS & SALES
VISIT US TODAY AT
www.diskdepot.com



SUNNYVALE
500 LAWRENCE EXPRESSWAY
408 738.3895

MOUNTAIN VIEW
914 W. EL CAMINO REAL
415 254.8984

SCSI PERIPHERAL EXPERTS • HARD DRIVES • CD-ROMS • TAPE DRIVES • M/O DRIVES

intel® Pentium® Systems Super Sale!

Expert Sales, Service, & Upgrades Since 1986

INTEL ATLANTA SYSTEM

- Intel Atlanta Motherboard
- Intel AL440LX Chipset
- AGP Overview
- 3.2MG SRAM
- 1.44MB Floppy Drive
- Diamond Stealth 2MB
- ATX Mid Tower Case w/230W PS
- Win 95 Keyboard/PS/2

Pentium® II 233MHz **$860**

Pentium® II 266MHz $1020
Pentium® II 300MHz 1200

INTEL PENTIUM® II SERVER SYSTEM

- Intel Portland or Atlanta Motherboard w/512K L2 Cache
- Intel 82440LX Chipset w/AGP
- 64MB EDO RAM
- 4.3GB Ultra DMA IDE HD
- Intel PILA8465 10/100BT Ether Card
- 1.44MB Floppy Drive
- Diamond 3D 2000 PCI Video Card w/2MB
- High Quality ATX Med. Tower Case w/235W PS
- 20X CD-ROM
- 104-Key PS/2 Enhanced Keyboard
- Includes Windows NT 4.0 for Workstation

Pentium® 233MHz **$1499**

Pentium® II 266MHz $1599
Pentium® II 300MHz 1799

INTEL ATLANTA SYSTEM

- Intel Atlanta Motherboard
- Intel AL440LX Chipset
- AGP Overview
- Intel Pentium® II to 300MHz
- 32MB EDO RAM
- 2.6GB Hard Drive
- 1.44MB Floppy Drive
- 24X CD-ROM
- 4MB SGRAM AGP VGA Card
- Yamaha Sound Card
- ATX Mid Tower Case 230W UL PS
- Win 95 Keyboard
- Microsoft Mouse
- Windows 95 CD

Pentium® 233MHz **$1299**

Pentium® 266MHz 1399
Pentium® 300MHz 1629

SUPER MICRO MMX SYSTEM

- Super P5 MMS 98/512K Board
- Intel Pentium® 166MHz MMX/Fan
- 16MB up to 256MB RAM
- PCI 64-Bit SVGA Card 2MB (up to 4MB)
- 1.44 Floppy Drive
- EIDE & Fast I/O (16550 UART)
- 1.7GB IDE Hard Drive
- 104 Win 95 Keyboard
- Mini Tower Case /230 W Power Supply

Pentium® 166MMX **$545**

Pentium® 200MHz MMX 639
Pentium® 233MHz MMX 719

SMALL OFFICE/HOME MULTIMEDIA

- Intel Chipset PCI Motherboard w/512K Pipeline Burst Cache
- Intel Pentium® 150MHz CPU w/Fan
- 16MB EDO RAM
- 1.2GB Hard Drive
- 1.44MB Floppy Drive
- PCI 64-Bit Video Card w/1MB (to 2MB)
- Mini Tower 230W PS
- 104-Key Win 95 Keyboard
- Genius Net Mouse
- 14" .28dp, NI SVGA Monitor
- 16X IDE CD-ROM
- Yamaha 16-Bit Sound Card
- 60 Watt Stereo Speakers
- 33.6 Fax Modem V.34
- Windows 95

Pentium® 150MMX **$789**

Pentium® 166MHz 840
Pentium® 200MHz 940
Pentium® 233MHz 1040

INTEL PENTIUM® SYSTEMS

- Intel Pentium® 150 CPU
- Pentium® Triton III Motherboard w/Ball Bearing Fan
- 512K Pipeline Cache
- 16 MB up to 256 MB 72-Pin EDO
- SVGA Card 1 MB (up to 2 MB)
- 1.44 MB Floppy Drive
- PCI Controller w/I/O w/16550
- 1.2GB Hard Drive
- 104 Win 95 Keyboard
- Mini Tower Case
- 230 Watt Power Supply

$439

Pentium® 166MMX 469
Pentium® 200MMX 549
Pentium® 233MMX 649

AMD K6 MMX SYSTEM

- AMD K6-200MHz MMX
- PCI EIDE w/256K High Speed Controller
- 16 MB EDO RAM 60ns
- 1.2 GB IDE Hard Drive
- 1.44 MB Floppy Drive
- PCI 64-bit SVGA Card/1 MB RAM (to 2 MB)
- 104 Key Win95 Keyboard
- Mini Tower Case
- 230 Watt Power Supply

$499

Cyrix 6x86 P200/166 ..... $449/429
AMD K6-166MMX 459
AMD K6-233MMX 640
AMD K5-166 439

ASUS MMX SYSTEM

- ASUS TX97 Chipset with 512K Cache
- Intel 166MHz MMX™ w/Cooling Fan
- 32MB 60ns EDO RAM
- 1.7GB EIDE Hard Disk Drive
- 1.44MB Floppy Disk Drive
- SVGA Card S3 w/1MB to 2MB
- 3D 16-Bit Sound Card
- 33.6K Modem w/Voice
- ATX Mid Tower Case w/235W Power Supply
- 16X CD-ROM EIDE

$719

K6-233MMX $939
K6-200MMX 749
P-200MMX/200MHz 799
P-233MMX 889

MOTHERBOARDS

Intel Atlanta 440LX Board... $205
Pentium® II Atlanta/Sound .. $215
Intel "Venus" $115
Intel "Triton" III 75-233MHz MMX.AMD.Cyrix $69
Intel Anchorage/512K/Sound Card
TX Chips $189
Tyan Tahoe ATX P-II Intel 430TX Chipset $139
ASUS Pentium® II AGP P2L97 AT/512K $195
ASUS Pentium® TX97E ATX/512K $159
ASUS Pentium® TX97-XE ATX/512K $169

SUPER MICRO

Pentium® P-5 MMS $125
Pentium® P-6 SNE II $209

MEMORY & CPU

Intel Pentium® 150/166/200MHz .. $99/139/215
Pentium® Pro 200MHz $475
Pentium® II 233/266MHz $415/538
AMD K6 200/233MHz MMX ... $175/359
16/32MB EDO 60ns $39/75
32MB SDRAM 10ns $89

SVGA CARDS

ATI Expert@Play 4MB AGP .. $180
Cirrus Logic PCI w/2MB $29
Diamond Stealth 64 3D 2/4M EDO $55/72
Office Pro S3 Trio 1MB $25
Matrox Millennium II 4M WRAM (retail) $195
Trident TV 9750 AG $89
Matrox Mystique 220 2m/4m (retail) ... $109/139

NETWORKING

NE2000 PnP Novell Certify ... $15
32-Bit PCI $19
Intel Express Pro PCI 10/100BT $49
3COM 509TP ISA $49
3COM 905TX PCI $59
3COM 12 Port Fast Hub $959
Ethernet 5 Port Hub 10 Bast .. $45
Ethernet 8 Port Hub 10 Bast .. $59
SMC PCI Ether 16-Bit w/BNC & TP/PCI $69
3COM Superstack Switch 1000 /24 port $1999

KEYBOARD & MOUSE

Keytronic/Mitsumi 104 Key $20/13
Microsoft Natural Keyboard .. $55
Microsoft PS/2 Mouse (w/sys) $25
Microsoft Serial Mouse (w/sys) or PS/2 ..... $25
Genius Net Mouse $10

HARD DISK DRIVES

1.2GB/1.7GB IDE $119/129
2.6GB/3.5GB IDE $105/189
4.0GB/6.4GB IDE $239/349
2.1GB/4.3GB SCSI $229/315
2.1/4.3GB Wide SCSI ... $295/399
9.1GB Ultra Wide SCSI $889

CONTROLLER

Adaptec 2940 SCSI $165
Adaptec 2940 U/UW SCSI .. $179
Adaptec 2940 UW SCSI $195

CD DRIVE

CD Writer 2x6 IDE $349
16X SCSI NEC $139
8X IDE Mitsumi $59
8X SCSI (NEC) $79
20X CD-ROM IDE $69
24X IDE $79
60/240W Speaker $12/32

CASE

Mini Tower/Desktop w/230W $24/35
Mid Tower w/230W PS $28
Full Tower Case w/250W $65
ATX Desktop Case/235W $79
ATX Mid Tower Case/235W .. $69
ATX Full Tower Case/300W ... $99

FAX MODEMS

33.6/33.6 Voice Internal .. $45/59
US Robotics 33.6 Int. $89
56K Voice Int. $79
US Robotics 56K Int. $139
PCMCIA 33.6 Fax Modem. ... $99

SOUND CARD

3D Yamaha Sound Card $19
3D ESS Sound Card $19
Sound Blaster 16-Bit P&P ... $48
Creative Lab AWE64 ..... $89

SOFTWARE

MS Windows 95 CD Full (w/sys.) $89
MS Office Pro 97 on CD w/sys Call
MS NT Server/W.S 4.0 or 5.0 . Call

MONITORS

14"/15" .28dp SVGA ... $159/209
17" 1280x1024 .28dp. $399
NEC XU17+ $639
ViewSonic G771 ..... $510
Sony 15" .25dp $345
20" Viewsonic .28dp $1050

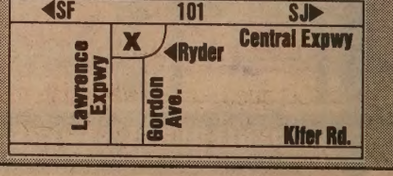
DIAMOND Computer Systems, Inc. NEC ViewSonic ATi TECHNOLOGIES INC matrox SONY ASUS intel OMEGA 3Com

KINGSTAR COMPUTERS, INC.

MON-FRI 8:30-6:00
Sat/Sun by Appt.
FINANCING AVAILABLE

SANTA CLARA

3081 Lawrence Expwy • Santa Clara CA 95051
TEL: (408) 736-8590 • FAX: (408) 736-4151



Prices and Company Policy Subject to Change W/O Notice. Not Responsible for Typographic Errors. Prices Reflect Cash Price Only.

Multimedia Notebook

RIX 7-Series

MMX™ intel inside pentium PROCESSOR

New

- 13.3" 1024 x 768 TFT Display
- Intel Pentium® CPU (100 – 233MMX Technology)
- 4 MB Video RAM
- 512 KB L2 Pipeline-burst Cache Memory
- 20 x CD-ROM Drive
- 64 bit PCI Bus Video Controller with Graphic Accelerator
- DRAM Expandable To 128 MB
- Removable 2.5" Hard Drive
- Removable 3.5" FDD Interchangeable With 2nd Battery
- Built-in Wavetable Stereo Audio Support 3D Surround Sound
- 2 Type II or I Type III, PCMCIA Slots (Support ZV-Port & Card Bus)
- Infrared, Wireless Fast "IR" Interface
- Li-Ion Battery or NIMH Battery
- RCA Jack for TV Output

RIX 6-Series

MMX™ intel inside pentium PROCESSOR

- Intel Pentium® CPU (100 – 233MMX Technology)
- DRAM expandable to 72MB EDO.
- 512KB Synchronous Second Level Cache.
- 12.1" SVGA TFT LCD.
- 64-Bit PCI bus Video with Graphics Accelerators.
- 2MB Video Display Memory.
- I Type III + I Type II PCMCIA slots.
- Built-in 20 x CD-ROM Drive.
- Removable 2.5" PCI Local Bus IDE Hard Drive. Removable 3.5" F.D.D, Interchange with 2nd Battery.
- 16-Bit Sound Blaster Compatible Audio.
- IrDA and FIR, data transfer rate up to 4M bits.
- Built-in TrackPad.
- Li-Ion Battery or NiMM Battery.
- RCA Jack for TV Output in NTSC & PAL Systems.

30-Day Evaluation Units Available Free

30-Day Evaluation Units Available to State or Local Government entities & Qualified Corporate Accounts. For Additional Information E-Mail Caleb@rixbook.com

RIX Technology, Inc.

780 Montague Expressway, Suite 306, San Jose, CA 95131
Tel: (408)953-0788 Fax: (408)953-0799 hptt://www.rixbook.com

OFFICE HOUR
Mon-Fri: 8:00am-6:00pm
Sat: 9:00am-2:00pm

1-888-RIX-0788

RIX TECHNOLOGY, INC, All right reserved. all company and/or product names mentioned herein are trademarks and/or registered trademarks of their respective companies. Price and specification are subject to change without notice. Not responsible for typographic errors.

MULTI-INTEGRATION CORPORATION

MIC COMPUTER

2670 So. White Road • Suite 100 • San Jose, CA 95148

Bus: (408) 238-8887 • (408) 238-8878

Fax: (408) 238-8895 • E-mail: miccomp@ix.netcom.com

Best Service • High Quality • Lowest Prices

Sale! Multimedia Monthly System Special

- Pentium® Chip-Based PCI Motherboard
- 512K Pipelined Burst Cache
- Intel Pentium® Processor w/Cooling Fan
- 16MB EDO 72 Pins Expandable to 128MB
- 1.44MB Floppy Drive
- 2.6GB Ultra ATA Hard Drive
- Diamond Steath 64 PCI w/2MB Video
- Toshiba 24X EIDE CD ROM
- YAMAHA OPL3 16 Bit Stereo Card
- 33.6K Fax/Modem/Voice Mail
- Mini Tower Case w/230W PS
- Window 95 Enhanced Keyboard
- Microsoft Compatible Mouse w/Pad
- Pair of 100W 3-D Speakers
- Window 95 (OSR2) CD/Manual add $85

Pentium® 133Mhz $599
AMD® K6-200Mhz $699
Cyrix® M2-200Mhz $639

Pentium® 166MMX $659
Pentium® 200MMX $749
Pentium® 233MMX $849

Sale! ATX Multimedia System

- Intel Anchorage w/dual USB MB
- 512K Pipelined Burst Cache
- Intel Pentium® Processor/Cooling Fan
- 32MB SDRAM 10ns 168 Pins
- Teac 1.44MB Floppy Drive
- 3.5GB Ultra ATA Hard Drive (33MB/S)
- YAMAHA OPL3 Sound 16 Stereo PnP
- Toshiba 24X EIDE CD-ROM
- Diamond Stealth 64 w/ 2MB EDO Ram
- ATX style Medium Tower 230W PS
- Win95 Enhanced Keyboard
- Logitec Mouseman PS/2 with pad
- Pair of 100W 3-D Multimedia Speakers
- 33.6K Fax/Modem/Voice
- Window 95 (OSR2) CD/Manual

Pentium® 166MMX $959
Pentium® 200MMX $1,049
Pentium® 233MMX $1,159

Sale! Power Multimedia System

- Intel 440LX AGP Chipset Based MB
- Intel Pentium® Processor Cooling Fan
- 32MB 10ns SDRAM 168 pins
- Teac 1.44MB Floppy Drive
- Quantum 4.3GB Ultra ATA Hard Disk
- YAMAHA Sound OPL 16 PnP
- Toshiba 24X EIDE CD ROM
- Matrox Mistique 220 w/ 4MB Video
- Premiun ATX Medium Tower 230W PS
- Rockwell 56K Fax/Modem/Voice
- KeyTronic 104 Key w/ PS/2 Keyboard
- Logitec Mouseman PS/2 with pad
- Yamaha Y5-M7 Multimedia Speakers
- Window 95 (OSR2) CD/Manual

Pentium® II-233MMX $1,539
Pentium® II-266MMX $1,649
Pentium® II-300MMX $1,879

BEST BUY

	MB W/CPU	Basic System
• Pentium® 133Mhz/512K	$169	$269
• Pentium® 166MMX/512K	$219	$319
• Pentium® 200MMX/512K	$299	$399
• Pentium® 233MMX/512K	$389	$489
• Pentium® Pro 200Mhz/256K	$549	$699
• Pentium® II 233Mhz/512K	$679	$839
• Pentium® II 266Mhz/512K	$799	$959
• Pentium® II 300Mhz/512K	$999	$1,159

Basic System: CPU & M/B, 16MB, 1.44MB FDD, IDE 1/0, Mini Case w/230W PS, 104 Keyboard, 512K Pipeline Burst Cache, CPU Cooling Fan.

Video Graphic Card

Diamond
Diamond Stealth 64 PCI w/2MB DRAM ..$49
Stealth Viper V330 SGRAM w/4MB..... $179
Diamond Monster 3D 3400 w/4MB.... $149

Matrox
MGA Millenium II PCI w/4MB WRAM.. $188
MGA Mistique 3D PCI w/4MB..... $149

ATI
ATI Xpert @ Work Range Pro PCI 4MB $179
Pro Turbo PCI w/4MB SGRAM $129

Monitor

Digiview
Digiview 17" 1707/1709D..... $429/$579
Digiview 15" 1509/14" 1434 .. $159/$229

Sony
Sony 17" 200 SX/SFII..... $599/$669

NEC
NEC 15" 15XV+/M500..... $379
NEC 17" 17XV+/M700..... $689

Impression
Impression 7 Plus /Vienna ..... $449/$599

Hard Drives

Fujitsu
2.6GB/3.5GB ULTRA ATA ..... $179/$199

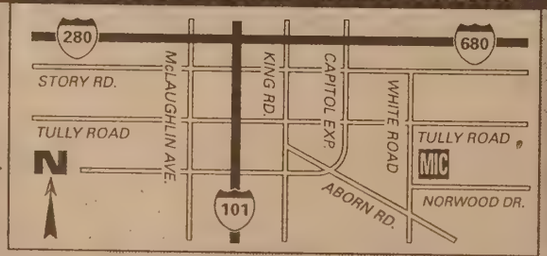
Quantum
2.1GB/4.3GB ULTRA ATA ..... $179/$269
2.1GB/3.1GB SCSI ..... $239/$319

Seagate
2.1GB EIDE $179
2.1GB FSCSI-2 (ST32151N/W) ..... $ CALL
4.2GB FSCSI-2 (ST15150N/W) ..... $ CALL
9.08GB Ultra SCSI (ST19171W) ..... $ CALL

SERVICES AVAILABLE

SYSTEMS UPGRADES • CUSTOM CONFIGURATION • DIAGNOSTICS • PC REPAIRS
WE OFFER EXCELLENT SERVICE AND TECHNICAL SUPPORT
1 YEAR PARTS, LIFETIME LABOR ON SYSTEMS

STORE HOURS: 9:30AM - 7:00PM
SAT: 10:00 - 5:00PM • CLOSE SUNDAY



Novell Certified NetWare Engineer

NETWORKING SERVICES

Novell
Windows NT
Hardware & Software Installation
Network Maintenance
Network Cabling
Service Contract Available

FREE ONSITE CONSULTING & QUOTES CALL FOR DETAILS!

Network • FaxModem

3COM Network Card
3C509BTPO 16Bit $49
3C509BC 16Bit Combo $75
3C590TPO PCI..... $69
3C905TX PCI 100 BASE $69

Case & Power Supply
Green Tower Case w/230W..... $29
Desktop Case w/230W..... $39
Mid Tower Case w/230W..... $49
Full Tower Case w/250W..... $69
Premium ATX Tower Case w/230W... $79
Server Class Tower Case..... $175

Fax/Modem
USR Compatible 33.6K w/voice $59
USRobotics Sporters 33.6K voice $99
USRobotics Sporters 56K $149
USRobotics Sporters 56K w/voice... $159
56K Fax/Modem/Voice $89

Sound • Speakers • CDROM

Sound Card
Sound ESS/YAMAHA 16Bit..... $25
Sound Blaster 16 PnP $49
Sound Blaster 32 PnP..... $79
Sound Blaster AWE64 ..... $89
Sound Blaster AWE64 GOLD $179

Speakers
100W 3-D Stereo Speaker..... $15
260W Stereo Speaker $49
Sub-Woofer 3D $69
Jazz Speaker 300W 3 Way Hifi $129
Jazz Sub-Woofer 300W System $129

CD ROM
Toshiba 24X CD ROM..... $85
Toshiba 16X SCSI CD ROM..... $145
NEC 16X SCSI CD ROM $125
Toshiba DVD $299

Nationwide TOTAL SOLUTION.

Their Internet Solution.

Our Internet Solution.

K56 FLEX™

U.S. Robotics X2 TECHNOLOGY SUPPORTED

SLIP.NET

$19.95 PER MONTH DIAL-UP SERVICE

At Slip.Net we make it easy to pick an ISP. We have all the features you want and the best price in town. So why settle for less. Slip.Net has US Robotics X2 modems (56K) and K56 Flex modems, 50mb of WEB storage, dedicated IP addresses, Front Page support, online back-ups, Shell access, full CGI capabilities and most important of all, your own Domain name.

Call Slip.Net today to find out more about the services we provide. A topnotch representative will explain it all to you.

* Plus a one-time $30 start-up fee.

Full Service Internet.
www.slip.net

Sign up online at: www.slip.net, **or call: San Francisco:** 415.281.4447, **South Bay:** 408.538.0150, **East Bay:** 510.763.7547, **all other areas:** 800.754.7638

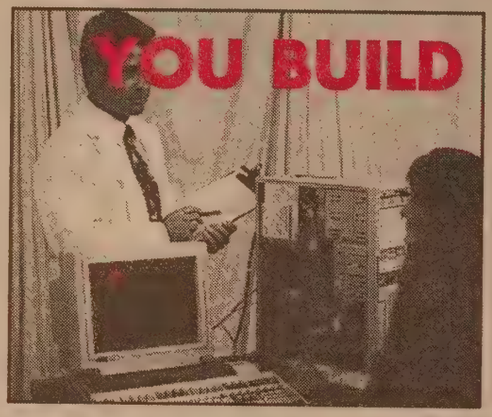
Slip.Net Navigator software available at these locations:

CompUSA All locations
Compudata San Francisco
Domino Computer Emeryville
Computer Jam All locations
PC Town San Francisco

NATIONWIDE ACCESS

D NET COMPUTER

Since 1989 Now with 10 Locations to Serve You!



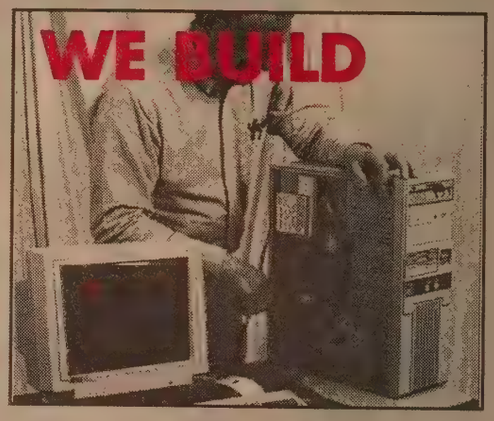
NOVEMBER SPECIALS

Multimedia Bundles
- 16-Bit Sound Card
- 56 Titles CD Software
- Speaker

AND

8X IDE CD-ROM $129
16X IDE CD-ROM $149
24X IDE CD-ROM $169
100X CD-ROM Drive $175

Data Transfer Rate: 3.6MB/s (CD-ROM Only)
16.6/33.2MB/s (CD Xpress)
Access Time: 110ms (CD-ROM Only)
10ns Max (with CD Xpress)



MULTIMEDIA SYSTEMS w/PENTIUM® CHIP

- Pentium Chip-Based Motherboard w/ Heatsink & Fan
- Intel Pentium® CPU
- 512K Pipeline Cache
- 16MB RAM
- Enhanced PCI IDE Controller
- 2 High-Speed Serial, Parallel Ports
- 3D PCI Graphic Card w/2MB DRAM
- 1.2GB IDE Hard Drive
- 1.44MB Floppy Drive
- 16-Bit Stereo Sound Card
- 8X IDE CD-ROM
- Mini Tower Case
- Mouse & Domino Mouse Pad
- Windows '95 Keyboard
- MS Windows '95

Monitor Not Included.
Call for Monitors Options.

133MHz Pentium®	150MHz Pentium®	166MHz Pentium®	200MHz Pentium®
$799	$809	$849	$899

PENTIUM® SYSTEM w/MMX TECHNOLOGY

- Pentium® Motherboard w/Intel TX Chipset
- 32MB Memory (Call for 168-pin DIMM Option)
- Enhanced PCI IDE and High–Speed IO on Board
- Mouse and Domino Mouse Pad
- 1.44 Floppy Drive
- Microsoft Windows 95
- 512K Cache
- 3.1GB IDE Hard Drive
- 3D PCI Graphics Card w/2MB DRAM
- Mini Tower Case
- Windows 95 Keyboard

Monitor Option:

14" SVGA .28 . . . $165
15" SVGA .28 . . . $219
17" SVGA .28 . . . $429
21" SVGA .28 . . $1039

AMD PROCESSOR	CYRIX PROCESSOR	INTEL PROCESSOR
K6-166MMX . . . $899	M2-P166C $859	Pentium®-166MMX. . . $909
K6-200MMX . . . $949	M2-P200C $899	Pentium®-200MMX . $1009
K6-233MMX . . $1109		Pentium®-233MMX . $1099

SYSTEMS w/PENTIUM®-II PROCESSOR

- Intel Pentium® II Motherboard & Cooling Fan
- Enhanced IDE/PCI High-Speed I/O
- 32MB RAM
- 2.1GB IDE Hard Drive
- 1.44MB Floppy Drive
- 64-Bit 3D PCI Grahic Card w/2MB DRAM
- Mid Tower Case
- Mouse & Domino Mouse Pad
- Windows 95 104 Keyboard
- MS Windows 95 (Monitor Not Included)

Pentium®-II 233MHz/512K	Pentium®-II 266MHz/512K	Intel 440LX Chipset M/B & Pentium®-II 300MHz
$1429	$1489	$1799

NEW INTRODUCTION

3DFX Graphics Card Combines 2D + 3D The Adrenaline Rush 3D Features:

- Advanced 3DFX Voodoo Rush 3D Graphics Chipset
- 128-Bit Alliance Promotion AT 3D Graphics and Multimedia Processor
- 6MB EDO DRAM on Board
- 1600x1200 and 1280x1024 in 65,536 Colors
- Plug + Play
- Windows 95 + Windows NT 4.0 Compatible
- VMI Connectors for DVD and Live Video Input

SPECIAL $199

INTERNET SPECIALISTS

We Connect You To The World

- Hardware/Software Upgrades for Internet
- Internet Services Available

SEE YOUR LOCAL DOMINO STORE FOR DETAILS

CALL FOR ITEMS NOT LISTED

LOS ALTOS
307 SECOND ST.,
415/941-7778

BERKELEY/EMERYVILLE
1552 BEACH ST., STE. A
510/653-6286

SAN FRANCISCO
3400 GEARY BLVD.
415/668-9311
OPEN SUNDAY

VALLEJO/NAPA
480 REDWOOD ST., STE 12
707/644-5055

ALAMEDA/OAKLAND
299 13TH STREET
510/839-1800

BLOSSOM HILL, SJ
461 BLOSSOM HILL RD., UNIT M
408/363-1800

SANTA ROSA
1740 Santa Rosa Ave.
707/523-2055

MILPITAS
976 HANSON COURT
408/946-6991

SAN RAFAEL
757 LINCOLN AVE., STE. 30
415/453-8525

SUNNYVALE
1214 APOLLO WAY, STE. 404-2
408/749-0217
408/749-0219

D NET COMPUTER
Since 1989

Prices subject to change without notice. We are not responsible for typographical errors.

Now available at

CIRCUIT CITY

COMPUTER CITY

CompUSA THE COMPUTER SUPERSTORE

Fry's

MICRO CENTER

Office DEPOT

OfficeMax

STAPLES The Office Superstore

Visioneer PaperPort® 3000 & 6000
30-bit color flatbeds
as low as $129*

Visioneer PaperPort mx™
grayscale $99*

Visioneer PaperPort Strobe™ color
as low as $149*

Now the easiest scanners to use are also the easiest to buy.

If you're shopping for a scanner to simplify your life, it just got a lot easier. Visioneer is now offering $50 direct rebates on all their award-winning scanners. This includes the remarkable PaperPort Strobe personal color sheetfed, praised by ***PC Computing*** as "Lightning fast...loaded with great software; easy to use..." that scans up to 15 ppm.**

The new PaperPort 3000 and 6000 flatbeds feature top-of-the-line 30-bit resolution. In fact, ***PC Magazine*** just recognized the PaperPort 6000 as the best flatbed scanner for 1997. So check them out. Now the hardest thing about scanning is choosing which Visioneer scanner you want.

$50 off any scanner with manufacturer rebate
until December 31, 1997

* After manufacturer's mail-in rebate.
** In black & white mode. 4 ppm in color.

visioneer

PC MAGAZINE EDITORS' CHOICE — November 4, 1997 PaperPort 6000

MVP 1997 PCComputing — PaperPort 6000

Macworld STAR RATING ★★★★ — PaperPort Strobe November 1997

PCComputing ★★★★ — 4 Star Award PaperPort Strobe

PCComputing THE A LIST — PaperPort Strobe

For more information please call us toll free at **800.787.7007**, or visit our web site at **www.visioneer.com**. Retail prices and actual products carried may vary by reseller.
Copyright © 1997 Visioneer, Inc. All rights reserved. Company and products named herein may be trademarks or registered trademarks of their respective owners.

Contents

MICROTIMES™
November 24, 1997 • Issue #172

Fifth Annual Holiday Gift Guide

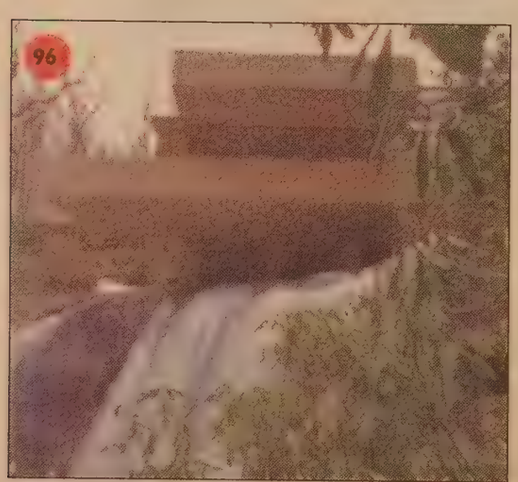
As is our time-honored tradition, in this issue we cast work-related tribulation to the winds and focus on the lighter side of computing.

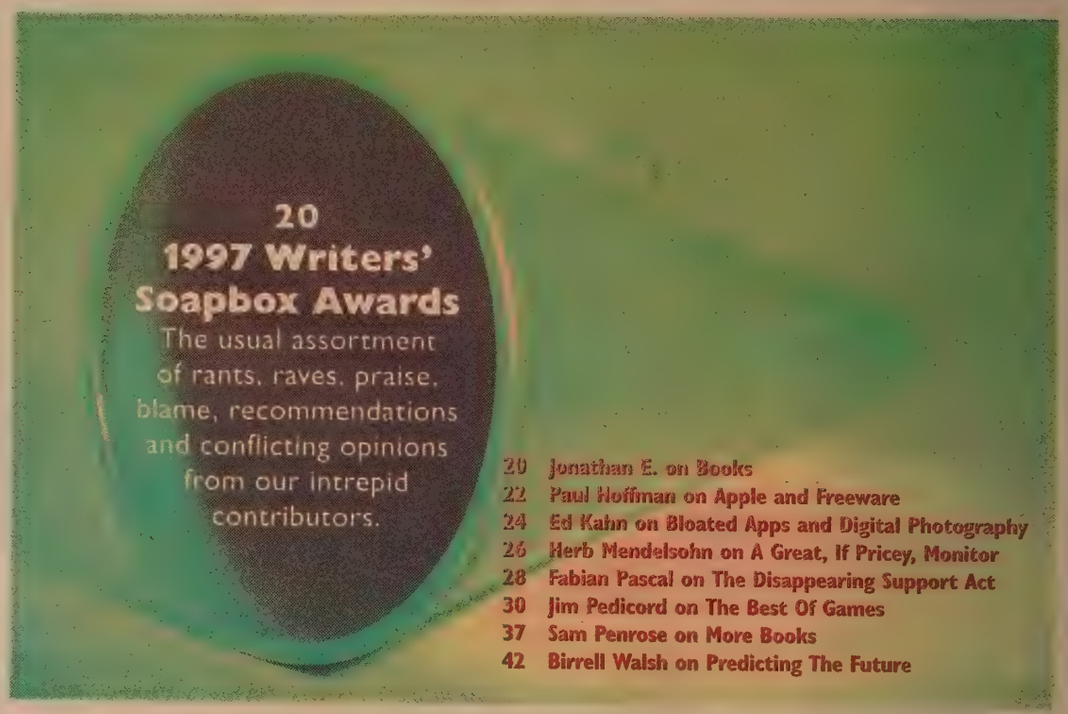
For the first time, we're running the Writers' Soapbox Awards in this issue, and therein you'll find the highly personalized views of our contributors—lamenting the numerous things that didn't go quite right in their computing lives during 1997, and singing the praises of the things that did. From the latter in particular, you'll probably find a few good ideas for the folks on your gift-giving list.

Also for your holiday shopping convenience, we include lots of new offerings in our Product Spotlight, and lots of discussion of games, online resources, multimedia, and other fun stuff for one and all.

And once again, as this unusually eventful year draws to a close, we'd like to thank you, our faithful readers, for being there, and wish you all the happiest of holiday seasons.

—*eds.*




20
1997 Writers' Soapbox Awards
The usual assortment of rants, raves, praise, blame, recommendations and conflicting opinions from our intrepid contributors.

20 Jonathan E. on Books
22 Paul Hoffman on Apple and Freeware
24 Ed Kahn on Bloated Apps and Digital Photography
26 Herb Mendelsohn on A Great, If Pricey, Monitor
28 Fabian Pascal on The Disappearing Support Act
30 Jim Pedicord on The Best Of Games
37 Sam Penrose on More Books
42 Birrell Walsh on Predicting The Future

Features

46
SOHO Ho Ho
BY BIRRELL WALSH
St. Nick's foray into office automation, plus the author's recommendations for entertaining and utterly time-wasting options when you want to take a break from productivity.

60
Santa On The Net
BY JILL BARNES
Communications with the North Pole go digital.

62
Text-Based Adventures
BY ROBERT EIDSWICK
You don't have to have the latest and greatest to have fun playing computer games.

66
Stocking Stuffers For One And All
BY DAVID NOACK
Gift-giving doesn't have to be expensive; a little thought and research can help you match the gift to its recipient.

72
Have A Musical Holiday!
BY GEN KATZ
From the silly to the serious, this year brings a good assortment of software products to help kids (and others) learn to play music.

84
DVD And 3-D
BY JIM PEDICORD
Gaming takes on a new dimension with much-improved video and sound.

96
Visual Delights In CD-ROMs
BY TONY REVEAUX
From Picasso to Frank Lloyd Wright, this year's digital art offerings are real gems.

104
From Cossacks To Mir
BY MIKE MARKOWITZ
Russians In Space, v 2.1 presents much fascinating inside information about once-secret celestial exploration.

110
No Passport Required
BY CASSIDY F. ALLEN
Forget all that bad-weather travel; the e-Christmas Web site lets you browse and buy the wares of European retailers from your desktop.

UPGRADE TODAY

Now Is The Perfect Time To Upgrade Your Computer System! Whether It's Speed, Memory, Hard Drive Space, CD-ROM or Adding Multimedia To Your System, Compu 11's Experienced Technicians Are Ready To Help You. Call Us Today! 888-Compu 11 or (650) 246-3900

P200 MMX $499 — P166 MMX $399

NOTEBOOK SPECIAL

Pentium® 166 MMX
(upgradable to 233 MMX)
32MB Memory, 20X CD-ROM
2.1 HDD, 12.1" TFT, Color LCD, 1GB Sound,
2MB Video, Win95 CD

Rental..$149 a week
Special Selling Price...$2350

Pentium® Upgrade Package Includes:

Replacement of your 286/386/486 to Pentium® PCI/ISA Intel 430VX Mainboard (75MHz to 233MHz MMX) with Ball bearing Cooling Fan, 32MB EDO RAM expandable to 128MB, 2MB 3D PCI Video with MPEG software.
One to Two Day Turnaround!!

MONITOR SPECIAL

17" Cybervision (Made in Japan) . . $429
15" .28 Impression 5 Plus . . . $228

NATURAL KEYBOARD $48

SOUND BLASTER SPECIAL

SB AWE 64 . . . . . $82

MODEM SPECIAL

Supra 33.6 w/Voice $65
USR 33.6 Int. $95
USR 56K. $139

MEMORY SPECIAL

BRAND NAME!
8MB 72-pin EDO/60ns, 16 Chips $26
16MB 72-pin EDO/60ns, 8 Chips $49
32MB 72-pin EDO/60ns, 8 Chips $88

NOTEBOOK MEMORY UPGRADE

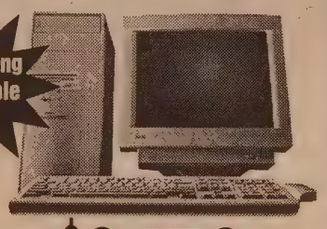
Brand Names for Toshiba, NEC, etc.

WD Hard Drive Special

1.6GB $160
2.1GB $180
2.5GB $195
3.2GB UIDE $220
4.3GB UIDE $255
5.1GB $289
6.4GB $310

INTEL PENTIUM® II ATLANTA 266MHz

- Intel Atlanta AL 440LX Mainboard
- Intel Chipset/AGP
- 512KB Cache
- Intel CPU Pentium® II 266MHz
- CPU Cooling kit w/ Heatsink & Fan (Ball Bearing)
- 64MB EDO 60ns RAM Installed
- EIDE Controller 4HD & 2FD w/2s (16550), 1P (EPP)
- Floppy Drive 1.44MB
- Hard Drive 5.1GB EIDE (WD-34000)
- Matrox Millennium II w/4MB WRAM (Upgradable to 16MB)
- 17" Impression 7 Plus Color Monitor (1600x1280) 27 NI
- Keytronic 104 Keys PS-2 Enhanced Keyboard
- ATX Mid Tower Case w/ P.S
- Microsoft PS2 Mouse • 24X CD-ROM Drive
- Yamaha F715 16-Bit Audio on Board
- Pair of Speakers (Yamaha YST-M15)
- Windows 95 CD-ROM Pre-loaded Full Version (CD & Manuals)

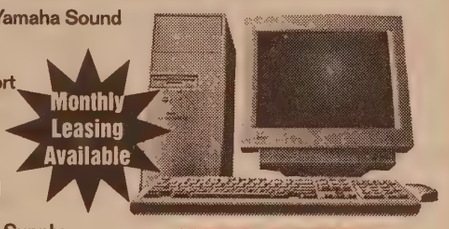


$2458

intel inside

MULTIMEDIA 233MHz MMX PERFECT HOME SYSTEM

- Intel Anchorage Pentium® M/B w/Yamaha Sound
- 512K Pipeline Burst Cache
- PCI EIDE & Floppy Controller
- Hi-Speed Serial Ports & Parallel Port
- 32MB SDRAM
- 2.5GB EIDE Hard Disk
- 1.44MB Floppy Drive
- 24X CD-ROM, 160W Speakers
- 64-Bit 3D w/MPEG 2MB PCI Card
- 56K Internal Voice Modem
- Medium ATX Tower Case w/Power Supply
- Microsoft Mouse, 104 Keyboard
- Windows 95 CD Full Version
- Monitor sold separately



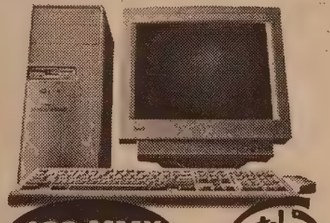
MMX 233MHz
$1399

intel inside

150MHz	$1128
166MHz MMX	$1158
200MHz MMX	$1258
233MHz MMX	$1399

BEGINNER SYSTEM

- Pentium® PCI Intel 430VX Chipset Mainboard
- 512K Pipeline Burst Cache
- PCI EIDE & Floppy Controller
- Hi-Speed Serial Ports & Parallel Port
- 16MB EDO RAM 60ns
- 1.6GB EIDE Hard Disk
- 1.44MB Floppy Drive
- 16X CD-ROM Drive
- 16-Bit Sound & 60W Speakers
- 2MB PCI Card w/MPEG
- Mini Tower Case w/Power Supply
- Microsoft Mouse, 104 Keyboard
- Windows 95 CD Full Version
- Monitor sold separately



200MHz MMX	$928
233MHz MMX	$1028
Upgrade to 2.5GB Hard Drive	add $50

PENTIUM® II ASUS SCSI 266MHz

- ASUS P-II 97S Pentium® Mainboard
- Intel Pentium® II 266 Processor
- Built-in SCSI on Board
- Hi-Speed Serial Port or Parallel Port
- 64MB SDRAM
- Seagate 4.5 UW SCSI Hard Disk
- TEAC 1.44 Floppy Drive
- Toshiba 24X CD-ROM
- Matrox Millennium II w/4MB WRAM
- ATX Medium Tower w/PS
- MS PS2 Mouse, 104 Keyboard
- Win 95 CD
- Sound Blaster 64 & Yamaha Speakers

Monitor Sold Separately

$2418

intel inside

ALWAYS ON Pg. 11

MORE THAN PERFECT — MORE THAN TEN

650-968-8516
MOUNTAIN VIEW
1039-G El Monte Ave
Mountain View, CA 94040
Fax 415-968-5824
STORE HOURS: MON-FRI 9:30AM-7PM SAT 10AM-6PM

408-263-7220
MILPITAS
519 Montague Expwy
Milpitas, CA 94035
Fax 408-263-7228
STORE HOURS: MON-FRI 9:30AM-7PM

TERMS & CONDITIONS
Parts Have 1-Year Warranty • Systems Have 1 Year Part & 2-Years Labor Warranty
• 20% Restocking Fee Will Be Charged
• Non-defective Returns • No Refund or Exchange after 30 Days from Invoice Date
• 20% Charge for Each Returned Check
• 15% Finance Charge on Unpaid Balance after Due Date •Customers are Responsible for Attorney Fee and Cost of Collection

• Prices subject to change without notice

1-888-COMPU 11
650-246-3900
SOUTH SAN FRANCISCO
643 El Camino Real
South San Francisco, CA 94080
Fax 650-246-3901
STORE HOURS: MON-FRI 9:00AM-7PM SAT 10AM-7PM

Contents

MicroTimes™

November 24, 1997 • Issue #172

Product Announcements

116

Accessories/Stocking Stuffers

Adjustable Notebook Visor....117
Mickey's Stickers & Stuff....117
Free-D Microphone....117
Pop-Up CD Holder....117
KSW CD Organizers....117
QuickPad Portable Word Processor....120
SurfMate Wireless Keyboard....120
VersaPad....120

Digital Cameras

Pentax EI-C90....120
Olympus D-600L....120
Olympus D-220L and D-320L....122
Panasonic Clip-On Notebook Camera....122
Epson PhotoPC 600....122
Kodak Digital Science DC210....122

Educational & Kids' Software

Sesame Street Reading Is Fun! Toddler Edition....124
The Cat In The Hat....124
Schoolhouse Rock Essentials Series....124
The Baby-Sitters Club....124
Book Buddies....124
Crayola Print Factory....126
Major League Reading....126
Major League Math, 2nd Edition....126
JumpStart Adventures: Jo Hammer, Kid Detective 126
Return To Life....126
Just Grandma And Me....130
3D Atlas 98....130
Slam Dunk Typing....134

Games & Entertainment

The Mystery Of Magritte....134
Origami: The Secret Life Of Paper....134
Byzantine: The Betrayal....134
NHL Powerplay '98....144
Grim Fandango....144
Total Annihilation....146
Versailles 1685....150
Werewolf vs. Comanche 2....150

Internet/Web Software

Emblaze Video/Emblaze Audio....150

Net.Medic....150
eSafe Protect....152
SeeMail 3.0....154
Fire Sock 1.0....154
Web Enabler....156
Surf Monkey....156
TELEform Internet Solution....156

PC Hardware

Aptiva E Series....156
CameraConnect....156
Gamester PC....167
MicroFLEX-PII/233....167
P5-55T Motherboard....167
SureStore CD-Writer Plus....167
SUPER P6DLH....167

PC Software

Encryption Plus For Email....170
Encryption Plus For CD-ROM....170
Print Screen Deluxe....170
Buy-Out Plan For Windows....170
Pro Venture Mail Tools....170
Drag And File 4.0....170
Anti-V....170
AutoCAD LT 97....172
Symbols 97....172
FileMaker Pro 4.0....172
California Support Calculator....172
Clean Sweep Deluxe....174
Phone Search USA 3.0....174
music maker 3.0....176
ChromaFax Color Faxing Software....176
The Print Shop Premier Edition 5.0....178

Portable Computing

Winbook XL Series....178
ChemBook 9780....182
Mobilon Series Handheld PC....182
Sharp SE-500 Mobile Organizer....182
REX PC Companion....182
Smartpage Email Paging....186

Printers

P-300 Personal Photo Printer....186
VAIO All-In-One Printer IJP-V100....186
Document HomeCentre....186

Product Reviews

188

PC Software

DacEasy 4.0....188
Microsoft Money 98 Financial Suite....188
Proven Edge Professional Edition v6....190

PC Accessories

Power Cat....190
SideWinder Force Feedback Pro....190
INT100CS Internet Telephone....192

Workgroup Software

Commence 4.0....192

Books

Creating Killer Web Sites....194
Mastering Netscape Communicator....194
Webmastering For Dummies....194
Visual Explanations....198
The Global Media....198

Reader Resources

Quotation Hotline Form....50
MicroTimes "Super Stop" Locations....196
Classified Advertisement Placement Form....201
Classified Career Marketplace....214
Advertiser Index....234

Job Hunting?
Check out the
Classified
Career Marketplace
on page 214

HAPPY HOLIDAYS FROM IBI COMPUTERS!!!

That time of the year is upon us, and IBI Computers would like to thank our friends and customers.

- STRONG SUPPORT STAFF • REPAIRS • UPGRADES • CUSTOM SYSTEMS WELCOME
- GOVERNMENT, CORPORATE, AND EDUCATIONAL POs WELCOME

CHEMBOOK 2600/2700

Intel Pentium® MMX up to 233MHz
256/512KB Cache Memory
12.1/14.2 XGA DSNT/TFT LCP
2MB/4MB EDO Video RAM
64-Bit PCI Video Controller w/Graphics Accelerator
EDO/SDRAM Memory up to 128MB
2 Smart Bays Support 2nd & 3rd HDD
Removable 14X/20X CD-ROM
2x Type II or 1x Type III PCMCIA
Card Bus & Zoomed Video
16-Bit Stereo / 3D Sound
TV-Out / USB Port
Options: Port Replicator, Mini Docking Station, PCI Docking Station, Internal Fax Modem, Car Adapter, Video Capture

Intel Pentium® 166MMX, 12.1", 14X CD-ROM

ONLY $1589

Dual Scan 1.4GB/16MB	Active Matrix 2.1GB/32MB	14.2 TFT
166MHz..... 1539	166MMX..... 2229	166MMX 3189
166MMX 1589	200MMX..... 2269	200MMX 3289
200MMX 1689	233MMX..... 2359	233MMX 3389

KIWI 680 TFT*
133MHz/1.4GB/32MB . . . $2199

KIWI 680 DSTN*
133MHz/1.4GB/16MB . . . $1589

Port Replicator
***Now Available For**
KIWI 680/780 Models

Upgrade your 486 to a Pentium® 166MMX
Includes 16MB EDO RAM, Intel Triton 430TX Chipset w/512K Pipeline Burst Cache, Intel Pentium® 166MMX, Ball Bearing Cooling Fan, 1MB SVGA PCI Video Card

Only $349 *Limited

Lowest Prices Guaranteed

IBI HOME OFFICE

Intel Triton 430TX Chipset
Intel Pentium® Processor w/Cooling Fan
512K Pipeline Burst Cache
16MB EDO RAM (128 Max)
1.7 GB Enhanced IDE Hard Drive
1.44MB Sony Floppy Drive
14" SVGA Monitor (15" add $89)
SVGA 1MB PCI DRAM
MS Compatible Mouse, 104 Keyboard
Mini Tower Case w/230 Watt

Pentium® 133MHz up to 200MMX from $649

MMX Pentium® 233/200MHz 950/799
MMX Pentium® 166MHz 725
AMD K6 w/MMX 233/200MHz 899/750
AMD K6 w/MMX 166MHz 699
CYRIX M2 w/MMX 200/166MHz ..... CALL
Pentium® 200/166/133MHz 756/699/649

IBI INTERNET TV BROWSER

Intel Pentium® 430TX Chipset
Intel Pentium® Processor w/Cooling Fan
512K Pipeline Burst Cache
32MB EDO RAM (128 Max)
4.3GB Ultra DMA Hard Drive
US Robotics 56K X2 Compatible
24XI Multisession EIDE Hard Drive
Creative Labs Sound Blaster 16
180-Watt Stereo Speakers
Super Mini Tower ATX Case
ATI 4MB All in Wonder Pro
Infrared Wireless Keyboard (up to 23 feet)
2-Button Mouse and Drag Key
MS Win 95 CD & Manual
Home Office Suite 97 Plus (inclu. Word Processing, Spreadsheet, Spellcheck, Photo Editorial, Tutorial and More)

Ready To Hook Up To Your TV NO MONITOR REQUIRED

166MMX $1299
200MMX $1399
233MMX $1499

IBI WEBMASTER

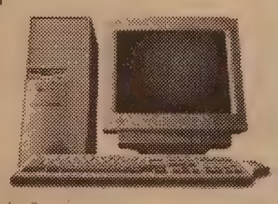
Intel Triton 430TX Chipset ATX
Intel Pentium® Processor w/Cooling Fan
512K Pipeline Burst Cache
32MB EDO RAM (128 Max)
4.3 GB Ultra DMA Hard Drive
1.44MB Sony Floppy Drive
US Robotics 56K X2 Compatible
15" SVGA Monitor (17" add $249)
Matrox Mystique w/2MB SGRAM
24XI Multisession EIDE Hard Drive
Creative Labs Sound Blaster 16
180 Watt Stereo Speakers
Logitech Mouseman, 104 Keyboard
Super Mini Tower ATX Case

Pentium® 133MHZ $1325

MMX Pentium® 233/200/166MHz..... 1625/1499/1399
AMD K6 w/MMX 233/200/166MHz 1599/1449/1350
CYRIX M2 w/MMX 200/166MHz..... CALL
Pentium® 200/166/133MHz 1449/1350/1325

PENTIUM® II WORKSTATION

FIC Intel 440LX Chipset Motherboard
Intel Pentium® II Processor w/Cooling Fan
32MB EDO SDRAM (128 Max)
4.3 GB Ultra DMA Hard Drive
1.44MB Sony Floppy Drive
IO Mega Internal 100MB ZIP Drive
17" KDS 1280x1024 .28 DPI NI
ATI Rage Pro AGP 3D 4MB SGRAM
24XI Multisession EIDE Hard
Creative Labs Sound Blaster 16
180 Watt Stereo Speakers
Logitech Mouseman PS/2 Mouse
Mitsumi 104 Keyboard W/Win 95 Keys
Super Mini Tower ATX Case



MMX Pentium® II 300MHz 2750
MMX Pentium® II 266MHz 2399
MMX Pentium® II 233MHz 2199

DUAL PENTIUM® II SERVER

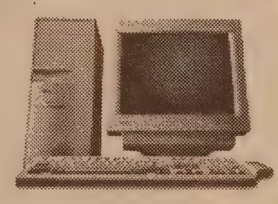
Tyan Tahoe II ATX Motherboard
Eight 72Pin Slots
5 PCI and 3 ISA Slots
Dual Pentium® II Processors w/Fans
64MB EDO RAM (Exp. 1.0GB RAM)
4.3GB Enhanced IDE Hard Drive
1.44MB Sony Floppy Drive
17" SVGA Monitor
Diamond Stealth 3D 2MB EDO RAM
24XI Multisession EIDE CD-ROM Drive
Logitech Mouseman PS/2
Mitsumi 104 Keyboard w/Win95 Key
Mid Tower ATX Case w/Power Supply

Pentium® 233MHz $2350

MMX Pentium® II 300/266/233 (Single) 2999/2550/2350
MMX Pentium® II 300/266/233 (Dual) 3999/3399/2999

IBI WEB SURFER

Intel Triton 430TX Chipset
Intel Pentium® Processor w/Cooling Fan
512K Pipeline Burst Cache
16MB EDO RAM (128 Max)
1.7 GB Enhanced IDE Hard Drive
1.44MB Sony Floppy Drive
US Robotics 56K X2 Compatible
14" SVGA Monitor (15" add $89)
SVGA 1MB PCI DRAM
24XI Multisession EIDE Hard Drive
Creative Labs Sound Blaster 16
180 Watt Stereo Speakers
MS Compatible Mouse, 104 Keyboard • Mini Tower Case w/230 Watt Power Supply



MMX PENTIUM® 233/200/166MHz..... 1199/1049/975
AMD K6 w/MMX 233/200/166MHz..... 1150/999/949
CYRIX M2 w/MMX 200/166MHz..... CALL
Pentium® 200/166/133MHz..... 999/950/899

1288 E. Hillsdale Blvd., Suite F
Foster City, CA 94404
Fax: 650-573-8119

Tel: 650-573-6123
1-Year Parts & 3-Year Labor Warranty

VISA MasterCard

Open 6 Days!
Hours: M-F 9-6, Sat 10-4
Please Call for Additional Parts and Services
Gov't, Corporate & Educational POs Welcome
9th Year in Business

IBI COMPUTERS USA

Price subject to change w/o notice. Not responsible for typographical errors. Trademarks and logos are property of their respective companies. Prices reflect cash discount.

Contributors MICROTIMES

Jonathan E.

Herb Mendelsohn

Robert Eidswick

Douglas J. Nakakihara

Paul Hoffman

Fabian Pascal

Pamela Mason

Tony Reveaux

Birrell Walsh

You can contact **Jill Barnes** at *jillbn@msn.com* or *104047.2575@compuserve.com* , or check out her Web site at *http://ourworld.compuserve.com/homepages/jabarnes* .

Anna Couey (*couey@well.com*) is a writer, artist, and consultant specializing in cultural and community-based telecommunications.

Jonathan E. has worked with desktop multimedia since 1988. His USPS mailing address is c/o SoundSwell, 54 29th St., Richmond, CA 94804. His email address is *jeve@well.com* .

Robert Eidswick (*eidswick@yahoo.com*) got his start in computing in 1982 when his brother gave him a Radio Shack Color Computer. He lives in Medford, OR and is a strong advocate of computers as tools for people with disabilities.

Paul Hoffman is an independent consultant who's been writing about computers for over fifteen years.

Ed Kahn (*edkahn@well.com*) is a folklorist who maintains a strong interest in computers and lives in the East Bay.

Gen Katz (*gen@metron.com*) is a frequent contributor to *CADALYST* and *CADENCE* and has published two books on AutoCAD software. She also has a strong interest in computer games.

Robert W. Lawson (*editor@roadnews.com*) is the editor of a monthly newsletter called *On the Road* which contains news and product reviews for people who travel overseas with their laptop computer. To read a sample issue of the newsletter—or find links to Web sites of use to frequent international travelers—visit the On the Road Web site at *http://www.roadnews.com* .

Mike Markowitz is an electronic publication specialist for a small consulting firm inside the Washington Beltway Reality Distortion Field. He has worked as a technical writer, aerospace engineer, computer trainer and omelette chef. The opinions expressed in this article are profoundly personal and in no way represent the official position of *MicroTimes* or the Department of Defense.

Pamela Mason (*PMason@aol.com*) is a graphic designer and technical writer who is currently developing animation and multimedia applications.

Herb Mendelsohn (*herbavour@earthlink.net*) is an actor-screenwriter-producer living in Los Angeles.

Douglas J. Nakakihara is the products documentation manager for NewTek, Inc. He also dabbles in 3-D animation and writes for various publications. Check out his Web site at *http://www.netcom.com/~djn* .

David Noack is a New York-based freelance writer specializing in online services, the Internet, and computer technology.

Fabian Pascal is an independent industry analyst, consultant and author specializing in database management. Author of two books and a CBT course, he has contributed extensively to many industry publications, including *Database Programming and Design, DBMS, DataBased Advisor, BYTE, Computerworld,* and *Infoworld.*

Jim Pedicord (*jimrp2@pacbell.net*) is a Southern California writer who covers both business and entertainment aspects of technology.

Sam Penrose is a long-time BMUG volunteer and the author of BMUG's "Which Mac Should I Buy?", a practical guide to selecting your next Mac.

Tony Reveaux is a San Francisco-based consultant who writes the "MediaScan" column in *Film/TapeWorld* and teaches at San Francisco State University's Multimedia Studies Program. He can be reached via the Internet at *tonyr@dnai.com* .

David A. Simon, CPA (M.S., Taxation) is in tax and accounting practice in Oakland, and is co-author of *Business Contracts: Forms and Tax Analysis* (Wiley Law Publications). His clients include professionals and businesses throughout the state. He can be reached at (510)893-5753 or *dsimon@pacbell.net* .

Birrell Walsh (*birrell@well.com*) is a contributing editor for *MicroTimes* and a freelance writer for *BYTE* and other magazines.

Express Yourself!

Send Letters to the Editor to us at these addresses:

US Mail:
Letters
MicroTimes
1300 Clay St., Ste. 820
Oakland, CA 94612
fax: (510)768-1288
Internet: *editors@microtimes.com*

IF IT'S MEMORY YOU'RE LOOKING FOR, WE HAVE IT AT UNBELIEVABLE PRICES!

SWEET MEMORY

The Bay Area's Premiere Source for Memory Upgrades

NOTEBOOK MEMORY

IBM®

IBM AMBRA
IBM ThinkPad
IBM PS/2

DELL

Dell Latitude

COMPAQ

Compaq Contura
Compaq Concerto
Compaq SLT

HEWLETT PACKARD

HP OmniBook 100LX
HP OmniBook 200LX
HP OmniBook 95LX

Panasonic Office Automation

Panasonic CF-1000
Panasonic CF-480c
Panasonic CFV-41

TOSHIBA

Toshiba T4900 CT
Toshiba T3400
Toshiba T2100
Toshiba T5200

NOTEBOOK & PRINTER MEMORY

30-PIN SIMMS

IBM MEMORY

256Kx9	$1
1x9-70	$5
1x9-80	$4
4x9-70	$19
4x3-60	$16
16x9-60	CALL

MAC MEMORY

1x8-70	$5
2x8-70	$14
4x8-70	$20
16x8-70	CALL

72-PIN SIMMS

PARITY

256Kx36 (1MB SIMM)	$4
512Kx36 (2MB SIMM)	$6
1Mx36 (4MB SIMM)	$20
2Mx36 (8MB SIMM)	$40
4Mx36 (16MB SIMM)	$52
8Mx36 (32MB SIMM)	$105
16Mx36 (64MB SIMM)	$245

NON PARITY

1Mx32 (4MB SIMM)	$14
2Mx32 (8MB SIMM)	$30
4Mx32 (16MB SIMM)	$45
8Mx32 (32MB SIMM)	$90
16Mx32 (64MB SIMM)	$245

EDO SIMMS

1Mx32 (4MB SIMM) EDO	$13
2Mx32 (8MB SIMM) EDO	$24
4Mx32(16MB SIMM) EDO	$44
8Mx32 (32MB SIMM) EDO	$82
16Mx32 (64MB SIMM) EDO	$220

MONTHLY SPECIALS!

Pentium® Pro 200MHz	$400
Pentium® 66MHz CPU	$40
Pentium® 75MHz CPU	$60
2x36 8MB	$38
512Kx36	$4

FREE INSTALLATION & TESTING

WE CARRY INTEL, AMD, CYRIX & IBM CPU'S

CALL FOR LATEST PRICING

WE CARRY ONLY BRAND NAME MEMORY

168-PIN DIMMS

BUFFERED

EDO ECC 3.3 Volts 32MB for Dual Pentium®	$135
EDO ECC 3.3 Volts 64MB for Dual Pentium®	$265
EDO ECC 3.3 Volts 128MB for Dual Pentium®	$595
FPM or EDO for Apple, PowerMac 8MB 5 Volts	$40
FPM or EDO for Apple, PowerMac 16MB 5 Volts	$65
FPM or EDO for Apple, PowerMac 32MB 5 Volts	$110
FPM or EDO for Apple, PowerMac 64MB 5 Volts	$220

UNBUFFERED

SDRAM 3.3 Volts 16MB for Pentium®	$55
SDRAM 3.3 Volts 32MB for Pentium®	$129
SDRAM 3.3 Volts 64MB for Pentium®	$230
EDO 32MB for Pentium®	$105
EDO 64MB for Pentium®	$195
EDO 128MB for Pentium®	$CALL

Lifetime Warranty

- Large-volume reseller discounts are available
- We buy your excess inventory
- Prices subject to change without notice

We are not able to list all our products and prices.
However, if it's memory, we carry it at a very good price.

- Not responsible for typos
- Prices on these items are cash prices with memory trade-in
- Available on most products, call for details

VISA

Sweet Memory- Santa Clara
2450 Scott Blvd., Ste 307
Santa Clara, CA 95050
Tel: (408)565-9034 • Fax: (408)654-9463
Office Hours: M-F 9-6 • Sat 11-4

Sweet Memory- San Francisco
225 Bush Street, Ste. #160
San Francisco, CA 94104
Tel: (415)288-9470 • Fax: (415)288-9469
Office Hours: M-F 9-6 • Sat 11-3

Pentium is a trademark of Intel Corporation. Prices and specifications are subject to change without notice. All product names or company names are trademarks or registered trademarks of their respective companies. © Copyright 1996 Sweet Memory

Nowadays your office could be anywhere; at the library, in your house, inside a hotel room, or even in your car. And computers are one of the most essential tools of your "mobile" office.

Owning a mobile computer that is as powerful, versatile, and reliable as you are is crucial. The solution... Office Pro notebooks.

Distribution By:

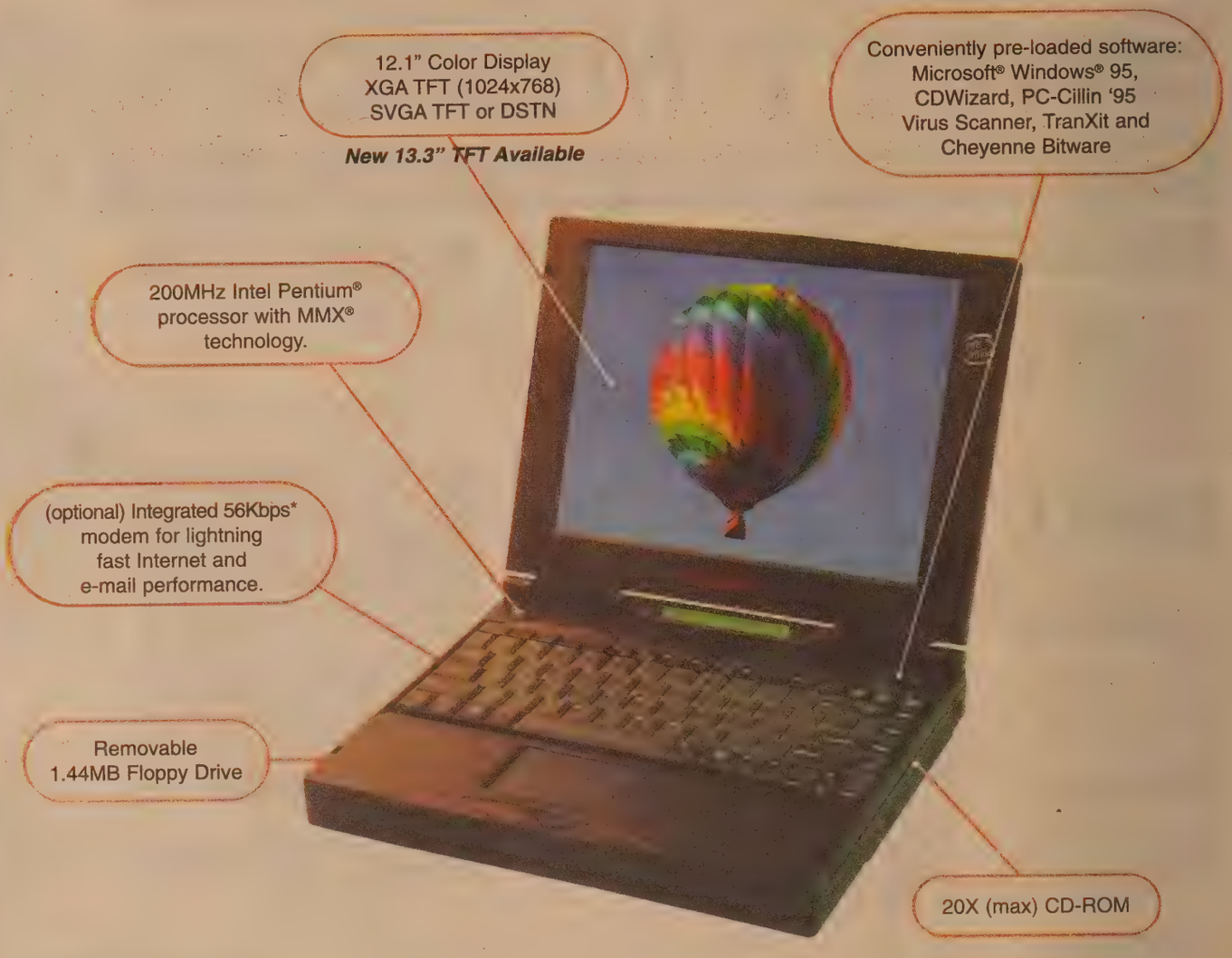
Greenleaf Distribution
(408) 683-0222

Mini-Micro Supply
Northern CA
1-800-273-4042
Southern CA
1-800-275-6427

New Jersey
1-800-953-7429

OFFICE PRO Systems

Power, Versatility, and Communications...All-in-One



Standard Features

- 12.1" Color Screen XGA TFT (1024x768), SVGA TFT or DSTN New 13.3" TFT Available
- Fast 20X Built-in CD-ROM
- User Installable Memory up to 128Mb
- Removable Hard Disk Drive and Floppy Disk Drive
- PC Card Bus and Zoom Video Support
- USB and Fast Infrared (4Mbit/Sec) Ports
- Optional Internal 56K Fax Modem
- Customized Notebooks Meet Your Needs Perfectly
- Optional Express Service and Extended Warranty

Customize your own notebook with your choice of:

✓ *screen size and resolution*
✓ *speed of processor*
✓ *hard disk drive size*
✓ *amount of memory*

And get it the next day!

Combine these with our standard features and you've got Power, Versatility, and Communications...All-in-one.

OFFICE PRO SYSTEMS

intel inside pentium · Designed for Microsoft Windows 95 · energy EPA POLLUTION PREVENTER

• All logos are registered trademarks and companies' product names are of their respective companies • Mini-Micro is not responsible for any typographical errors •

Follow The Leader

for all your system integration needs.

Start

GRAPHIC CARDS

DIAMOND MULTIMEDIA

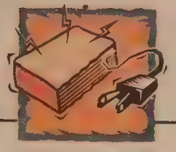
Award Winning Products
Stealth 220, Stealth 3D
Monster 3D, Viper V330
Fire GL 1000 Pro

CD-ROMS

TOSHIBA

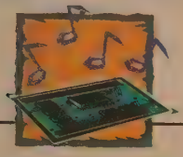
High Performance Drives
12X, 16X, 24X, 32X IDE
12X, 15X SCSI
20X Notebook Drive

CASES



Attractive Design
Desktop, Mid/Full Tower
AT and ATX options
230W-300W UL PS

SOUND CARDS

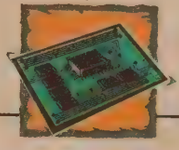


Opti 925, 931 3D
Yamaha 718, 719 3D
ESS 1868, 1869 3D
Diamond, Creative Labs

FLOPPY DRIVES

SONY, Mitsumi, TEAC, Samsung
Black, White, Beige
1.44MB / 1.2 MB
LS120's available

MOTHERBOARDS



OFFICE PRO MOTHERBOARD

Jumper-Less Ease
Supports Intel, AMD, Cyrix
TX, VX, LX, FX chipsets
512K cache, AT/ATX

TAPE DRIVES

SONY

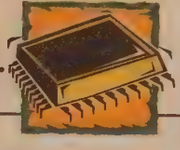
Storage by Sony
DDS-2 & DDS-3 technology
Cheyenne Software
24 hr. swap program

HARD DRIVES

Seagate

IDE/Ultra DMA
1.2 GB – 6.4 GB
SCSI/Ultra/Wide
2.1 GB – 23 GB

CPU/MEMORY

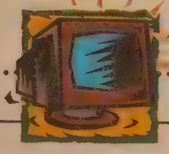


Intel, AMD, Cyrix
Memory -
SIMM, DIMM, EDO
All speeds, all ranges

ACCESSORIES

Keyboards/Mice
Microsoft, Samsung,
Mitsumi, Keytronics
Microtek Scanners

MONITORS



Hansol

High Quality CRT
.26 dpi, 1600x1280
.28 dpi, 1280x1024
14", 15", 17" – AX/PX
3 year warranty

SYSTEMS

CHANNEL NAVIGATION
mini-micro
WITH EXCELLENCE

ASUS
CREATIVE
DIAMOND
HEWLETT PACKARD
HITACHI
HYUNDAI
KDS
Maxtor
Microsoft
MITSUMI
3M
SMILE
SONY
TEAC
TOSHIBA
OFFICE PRO

Your One-Stop Shop"

mini·micro SUPPLY
A Greenleaf Company

Interested Dealers and Distributors Call 1-800-275-4642

Southern CA
1-800-275-6427
New Jersey
1-800-953-7429

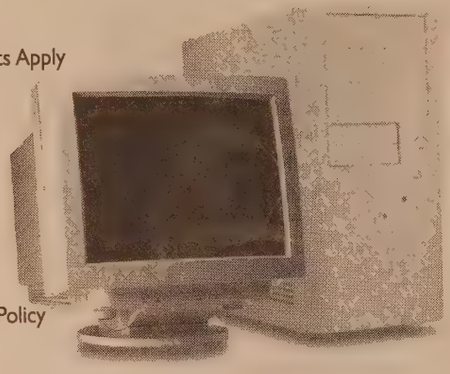
logos are registered trademarks and companies' product names are of their respective companies • Mini-Micro is not responsible for any typographical errors •

Acer Factory Outlet

HOLIDAY SALES

On Selected Refurbished in PIC Acer Aspire Systems Only

- Buy Direct From Manufacturer
- Limited Quantity On Hand
- No Other Discounts Apply
- No Rain Check
- Five Day Exchange Policy
- All Sales Are Final

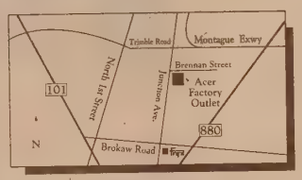


Acer Aspire MiniTower
AMD-K6 233MHz #: 1290

- MMX - Enhanced
- 32MB EDO Memory
- 4.1GB Hard Disk Drive
- 512K L2 Cache
- 16X CD-ROM
- 33.6 Modem
- Multimedia
- MS Word 97
- Reconditioned
- *Monitor Not Included*

only $989

Limited quantity of Acer Aspire System from Pentium 100 MHz to Pentium 150MHz available. Sales price starts as low as $299. All sales are final, no return or refund.



We accept VISA MasterCard Discover ATM
All checks accepted with valid ID

Tel: 408-433-4903
Reseller Hotline: 408-922-5020
Fax: 408-383-9829

Open 11 a.m. to 6 p.m.,
Monday — Saturday
Closed on Sunday

ACER
ACER Factory Outlet
520 Brennan Street, San Jose, CA 95131

• Quantity are subject to availability • No other discounts apply • Sales ends on December 23,1997
• Store will be closed on Nov 27 to 29, 1997 and Dec 25 to 27, 1997 • Price subject to change without notice

Visit us on the Web:
http://www.microtimes.com

MICROTIMES One Hundred

ADVERTISING SPACE RESERVATION:
12/5/97
PUBLICATION DATE:
1/4/98

Our annual list of industry leaders and unsung heroes who have had a significant impact on the computer industry over the past year. See who is at the top and who will be there soon!

San Francisco Bay Area
(510)768-1200

Greater Los Angeles
(213)851-8600

California's Computer Magazine
MICROTIMES
www.microtimes.com

PUBLISHER Chloe Vezo

ADVERTISING 510-768-1200
NATIONAL ACCOUNT MANAGER Shelley Gordon
ACCOUNT EXECUTIVES Marty Gillow, Todd Halvorson, Todd Hancock, Mel Marquez, Jasmine I-Hua Shih
CLASSIFIED ACCOUNT EXECUTIVE Sam Louis
MARKET MANAGER Jenifer Daggett
SALES ASSISTANTS Sara Tassione, Peter Foster
SECRETARY/RECEPTIONIST Demi Farley
CREDIT MANAGER Andres Rojas

EDITORIAL 510-768-1200
email: editors@microtimes.com
EDITOR Mary Eisenhart
ASSOCIATE EDITOR Michael Robin
ART DIRECTOR Rick Colby
EDITORIAL DESIGNER Eleanor Carag
EDITORIAL ASSISTANT Cassidy Allen
NEWS EDITOR Paul Hoffman
CONTRIBUTING EDITORS Lenny Bailes, Jennifer R. Cherniss, John C. Dvorak, Jonathan E., Bennett Falk, Bill Gram-Reefer, Peter John Harrison, Ed Kahn, Robert Moskowitz, Douglas J. Nakakihara, Fabian Pascal, John S. Quarterman, Tony Reveaux, David A. Simon, CPA, Birrell Walsh, Jim Warren
CONTRIBUTING WRITERS Nick Anis, Laura Bell, Cynthia Dyer-Bennett, Anna Couey, Matthew Leeds, Woody Liswood, Judy Malloy, Pamela Mason, Herb Mendelsohn, Michelle Rafter, Kevin Savetz, John Wolcott
CONTRIBUTING PHOTOGRAPHERS Jay Blakesberg, Tustin Ellison, Michael Jay, Anne Knudsen, Ann Summa

INFORMATION SYSTEMS
TECHNICIAN Warren Raddatz

PRODUCTION 510-768-1200
Services provided by Electronic Graphics Group-West, a division of HPC
DIVISION PRODUCTION MANAGER Amy Marson
PRODUCTION SERVICES SUPERVISOR Kevin Price
PRODUCTION TEAM MANAGER Randy Atwood
AD COORDINATORS Kay McVane, Jesse Sullivan
PRODUCTION STAFF Michel Byrne, Linda Peterson, Heather Porter, Mark Wortman
QUALITY CONTROL Mary Knappenberger

DISTRIBUTION 510-489-7616
Distribution provided by DistribuTech, a division of HPC
GENERAL MANAGER Ken Morrison
REGIONAL MANAGER Steve Holm
BPA INTERNATIONAL

HPC, INC. CORPORATE OFFICES
CEO, PRESIDENT Robert C. Metz
SENIOR V.P., DIRECTOR OF PUBLICATIONS Gary W. Austin
GROUP DIRECTOR George Miscevich
NATIONAL MARKETING MANAGER Robert Hammond
V.P., DIRECTOR OF DISTRIBUTECH David S. Crawford
V.P., DIRECTOR OF PRODUCTION Randolph F. Brunner

PRIMEDIA INC.
William Reilly **CHAIRMAN & CEO**
Jack Farnsworth **PRESIDENT, INFORMATION GROUP**

FOUNDERS
Dennis Erokan, Don Hamilton, Pat Hamilton

This Vol. 13 No. 13 November 24, 1997, Whole No. 172. MicroTimes, California's Computer Magazine, is published by HPC, Inc., a PRIMEDIA Company. Bay Area Office: 1300 Clay St., Ste. 800, Oakland, CA 94612. Phone Advertising Office (510)768-1200. Fax (510)768-1288. email *editors@microtimes.com* . Los Angeles Office, 6767 Forest Lawn Drive, Suite 110, Los Angeles, CA 90068. Phone (213)851-8600. Fax (213)851-8303. San Jose Office, Phone (408)244-4400. Anaheim Office, 801 East Katella Ave., Suite #210, Anaheim, CA 92805. Phone (714)939-2809. Fax (714)978-6135.

MicroTimes™ is © 1997 by HPC, Inc., a PRIMEDIA Company.

Subscription rates: 14 issues, U.S.: 4th Class $35 (Allow 3 to 4 weeks for delivery), 1st Class $65 (Allow 1 to 2 weeks for delivery). MEXICO & CANADA: Surface Mail $60 (Allow 4 weeks for delivery). Air Mail $75 (Allow 1 week for delivery). OVERSEAS: Surface Mail $150 (Allow 6-10 weeks for delivery), Air Mail $178 (Allow 1 week for delivery). To receive sample issues, please send $6 ($15 for overseas) to cover postage costs. Back issues are $6 each.

All rights reserved. Reproduction in whole or in part without permission of Publisher is strictly prohibited. The staff and management of MicroTimes do not advocate or encourage the use of any product or service advertised herein for illegal purposes.

Big Things Come In Small Packages!

We specialize in custom application low cost solutions:

- ✔ Point of Sale
- ✔ Banking Terminals
- ✔ Industrial Use, control
- ✔ WAN/LAN
- ✔ Diskless
- ✔ LAN Stations
- ✔ Telecommunications

Actual size of computer pictured: 9 3/4" wide x 12" deep.

PRIMETECH

System Integration Inc.

510-670-1700 • Fax: 510-670-1707

2308 Tripaldi Way • Hayward, CA 94545

Showroom by Appointment Only

Corporate, Government, Educational POs Are Welcome 1-888-8000-PSI

Media-On™ featuring GAME EXTREME

HOME EXPERT

- ATX Motherboard with 512K
- 16MB EDO SIMM
- 3GB EIDE Hard Drive
- 24X CD-ROM
- 16-Bit Sound Card
- Mini ATX Case (235 Watt)
- S3D w/4MB RAM
- Keyboard & Mouse
- 80 Watt Speakers
- 33.6Bps Modem
- Win95 & McAfee Virus Scan
- Intel 166MHz Pentium® Processor with MMX™ Technology
- 14" Monitor

$ 989

HOME EXPERT DVD

- ATX Motherboard with 512K
- 16MB EDO SIMM
- 3GB EIDE Hard Drive
- DVD w/DVD Decoder
- 16-Bit Sound Card
- Mini ATX Case (235 Watt)
- S3D w/4MB RAM
- Keyboard & Mouse
- 80 Watt Speakers
- 33.6Bps Modem
- Win95 & McAfee Virus Scan
- Intel 200MHz Pentium® Processor with MMX™ Technology
- 14" Monitor

$ 1,299

www.mediaon.com

Note, Intel Inside Logo and Pentium are registered trademarks and MMX is a trademark of Intel Corporation. All other names are properties of their respective corporations. Price and specifications are subject to change without notice. Not responsible for typographic error.

Media-On™

MEPX200 Featuring

- Intel 200MHz Pentium® Processor with MMX™Technology
- Intel AN430TX motherboard w/512K Cache
- 32MB DIMM
- 4.5GB Ultra Wide SCSI HD w/UW SCSI Controller
- MATROX 3D w/ 4MB SGRAM
- Yamaha sound system/WAVETABLE
- 24X SCSI CD-ROM
- 100MB ZIP Drive
- Diamond Supra 33.6 Voice Modem
- 104 Keyboard & Mouse
- ATX Case w/235 Watt Power Supply
- Microsoft Windows 95/McAfee VS Scan

Monitor sold separately

$ 2,155

GRAPHIC EXTREME

EXPERT II Featuring

- Intel 233MHz Pentium® II Processor
- 32MB EDO RAM w/system
- 4.5GB Ultra Wide SCSI HD w/UW SCSI Controller
- MATROX 3D w/ 4MB SGRAM
- Yamaha sound system
- 24X SCSI CD-ROM
- Diamond Supra 33.6 Voice Modem
- 104 Keyboard & Mouse
- 1.44MB Floppy
- ATX Case w/235 Watt Power Supply
- Microsoft Windows 95/ McAfee VS Scan

Monitor sold separately
Pentium® II 266MHz upgrade add $175

$ 2,399

• 2 year limited warranty / 2 year labor

47257 Fremont Blvd. Fremont, CA 94538 TEL: 510-490-7998 FAX: 510-490-8286

MMX™ intel inside pentium® II PROCESSOR

keep an eye on the best internet value in California...

Looking for a crazy low price, but you say you want "experience from the big guys?" And of course, there's long term reliability. Not to mention 24 hours a day, 7 days a week toll-free technical support, and toll-free local dial-up. "Is that asking too much?" At JPSnet "you can count on us for all this and more!" So why pay more than you have to? JPSnet, one of California's established Internet service providers has been providing continuous Internet access for three years. JPSnet is fully equipped for high speed Internet access with the largest and most advanced resources. We can give you exactly what you're looking for...*And yes! At the right price.*

$89/yr.*

New, Fast

WE RECOMMEND ZOOM 56K FAXMODEMS

K56 Flex Services

ASCEND

K56 FLEX CONNECT with Rockwell

Get More Data Faster

MERLOT PERSONAL $89/yr.

- Unlimited Internet Access
- FREE... 3 E-mail Addresses
- FREE... 20 MEGS of Web Space
- FREE... Software
- TOLL-FREE... 24 hr./7 days a wk. Tech Support
- K56 Flex Dial Up Access
- 10-Day Money-Back Guarantee

COGNAC ISDN $89/yr.

- Unlimited Internet Access
- FREE... 3 E-mail Addresses
- FREE... 20 MEGS of Web Space
- FREE... Software

www.jps.net

sales@jps.net

CHAMPAGNE BUSINESS $299/yr.

- Virtual Domain Hosting, ie. "yourcompany.com"
- Unlimited Internet Access
- Unlimited FTP and Access to Your Web Space
- FREE... 20 E-mail Addresses
- FREE... 50 MEGS of Web Space
- FREE... Software
- TOLL-FREE... 24 hr./7 days a wk. Tech Support
- K56 Flex Dial Up Access
- ISDN Dial Up Access Available
- Site Statistics & Secured Servers Available
- Frame Relay Available

WEB DESIGN SERVICES

- Web Page... Starting at $99.

JPSnet INTERNET SERVICES

* One time setup fee of $25

770 L Street, Suite 960, Sacramento, CA 95814

call 1-800-711-5353

Cyberex Technology Inc.

"YOU FOUND A BUSINESS PARTNER FOR LIFE"

CTI GUARANTEE

- 72-Hour System Burn In
- 5 Years Labor & 1 Year Part
- Money Back Guarantee*

PC MAGAZINE EDITORS' CHOICE — June, 1996 Matrox Millennium

PC WORLD BEST BUY — December, 1996 Matrox Millennium

MVP 1996 FINALIST PC Computing

Professional Series

Intel Pentium II 233 $2,319

- Suave Medium ATX Tower
- Intel 440LX Chipset w/SCSI ATX
- 64MB SDRAM Memory
- 17" .28mm Monitor
- 4.3GB SCSI Hard Drive
- 24X CD-ROM
- 3.5" 1.44MB Floppy Drive
- 4Q Subwoofer System
- Sound Blaster AWE64 Value
- Matrox Mystique 220 3D 4MB SGRAM
- 56K Rockwell Chipset Fax Modem w/Voice
- Microsoft IntelliMouse
- 104-Key Enhanced Keyboard
- Microsoft Windows '95 CD

Intel Pentium II 266	$2,379
Intel Pentium II 300	$2,616

Budget Series

Intel Pentium MMX-166 $ 959

- Mini Tower TX
- Intel 430VX Chipset
- 512K L2 Pipelined Burst Cache
- 32MB EDO Memory
- 15" .28mm Monitor
- 3.2GB Hard Drive
- 24X CD-ROM
- 3.5" 1.44MB Floppy Drive
- 100W Stereo Speakers
- ESS 1868 3D Sound Card
- S3 Virge 2M
- 33.6 Fax Modem w/Voice
- 3-Button Serial Mouse
- 104-Key Enhanced Keyboard
- Microsoft Windows '95 CD

AMD K6-233	$1,149
AMD K6-200	$1,007
Intel Pentium 200MMX	$1,058
Intel Pentium 233MMX	$1,145

Game Series

Intel Pentium 200MMX $1,496

- Suave Medium ATX Tower
- Intel 430TX Chipset ATX
- 512K L2 Pipelined Burst Cache
- 32MB SDRAM Memory
- 17" .28mm Monitor
- 3.2GB Hard Drive
- 24X CD-ROM
- 3.5" 1.44MB Floppy Drive
- 4Q Subwoofer System
- Sound Blaster AWE64 Value
- Matrox Mystique 220 3D 4MB SGRAM
- 33.6 Fax Modem w/Voice
- Microsoft IntelliMouse
- 104-Key Enhanced Keyboard
- Microsoft Windows '95 CD

AMD K6-233	$1,634
AMD K6-200	$1,489
Intel Pentium 166MMX	$1,397
Intel Pentium 233MMX	$1,584

Family Series

Intel Pentium 166MMX $1,191

- Mini Tower
- Intel 430TX Chipset
- 512K L2 Pipelined Burst Cache
- 32MB EDO Memory
- 15" .28mm Monitor
- 3.2GB Hard Drive
- 24X CD-ROM
- 3.5" 1.44MB Floppy Drive
- 100W Stereo Speakers
- Sound Blaster AWE64 Value
- Matrox Mystique 220 3D 4MB SGRAM
- 33.6 Fax Modem w/Voice
- 3-Button Serial Mouse
- 104-Key Enhanced Keyboard
- Microsoft Windows '95 CD

AMD K6-233	$1,348
AMD K6-200	$1,203
Intel Pentium 200MMX	$1,255
Intel Pentium 233MMX	$1,334

AMD K6 MMX PROCESSOR · iomega · US Robotics · TOSHIBA · Western Digital · TREND Insistence on Perfection · MATROX Millennium · intel · CREATIVE

Government, Corporate & Education PO's Are Welcome.

To Order Call Toll Free

888-292-1688

Internet Site www.cyberexinc.com E-mail: cybersales@cyberexinc.com

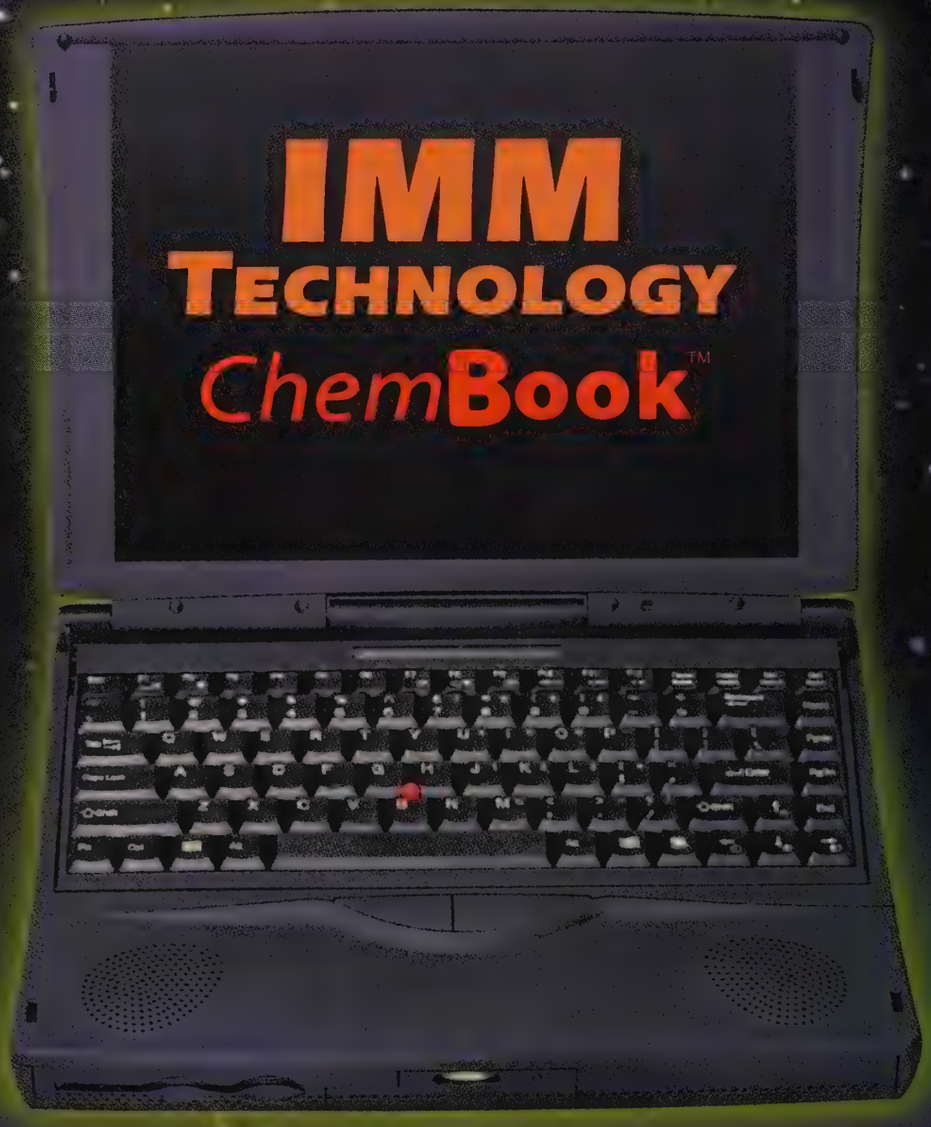
TEL: (626)913-6601 FAX: (626)913-8486

VISA · MasterCard · American Express · ups · DISCOVER · COD PO's · FedEx

18333 Gale Avenue,
City of Industry,
California 91748

Terms & Conditions: *All prices do reflect a 3% COD cash discount. Returns will be accepted only in the original package. All open software are not refundable. Purchaser must pay for shipping and insurance for all returned. Prices are not included shipping. All photographs are for illustration purpose only and may not be true representation of actual products. * Money back guarantee with 20% restocking fee. One-year warranty on parts(CPU/SIMM Excluded). No refund after 30 days. 5 years labor and 1 year parts warranty on Computer System. All brand names, trademarks and logos belong to their respective companies. Intel inside Intel inside MMX logos and Pentium Processor logo are trademark of Intel Corporation. $20.00 charge on each returned check. Not responsible for typographical errors. Wrong order returned are subject to charge 20% restocking fee and require RMA#. Prices are subject to change without notice. 30 days Warranty on CPU/SIMM. Exchange for DOA only. No refund. All rights reserved by Cyberex Technology Inc.

Introducing The Upgradeable



It's more than a notebook. It's a ChemBook

ChemBook 6000:

13.3" XGA TFT Active Matrix Screen

Intel Mobile Module MMX 233MHz Pentium

16MB high-speed 64 bit SDRAM on board Upgradeable to 144MB MEMORY

Up to 8GB Hard Disk Drive

Buy Your Future NoteBook Now.

We add the latest **IMM (Intel Mobil Module)** technology to our **Chembook 6000**. **IMM** contains Intel Pentium processor with MMX technology at 233MHz, 512K high performance Pipeline Burst Static RAM Level 2 Cache memory and the 430TX PCI set system controller.

Intel's new 0.25 micron manufacturing process enables 40% higher clock speeds while reducing power consumption almost 50% compared to the previous highest performance processor for mobile PCs.

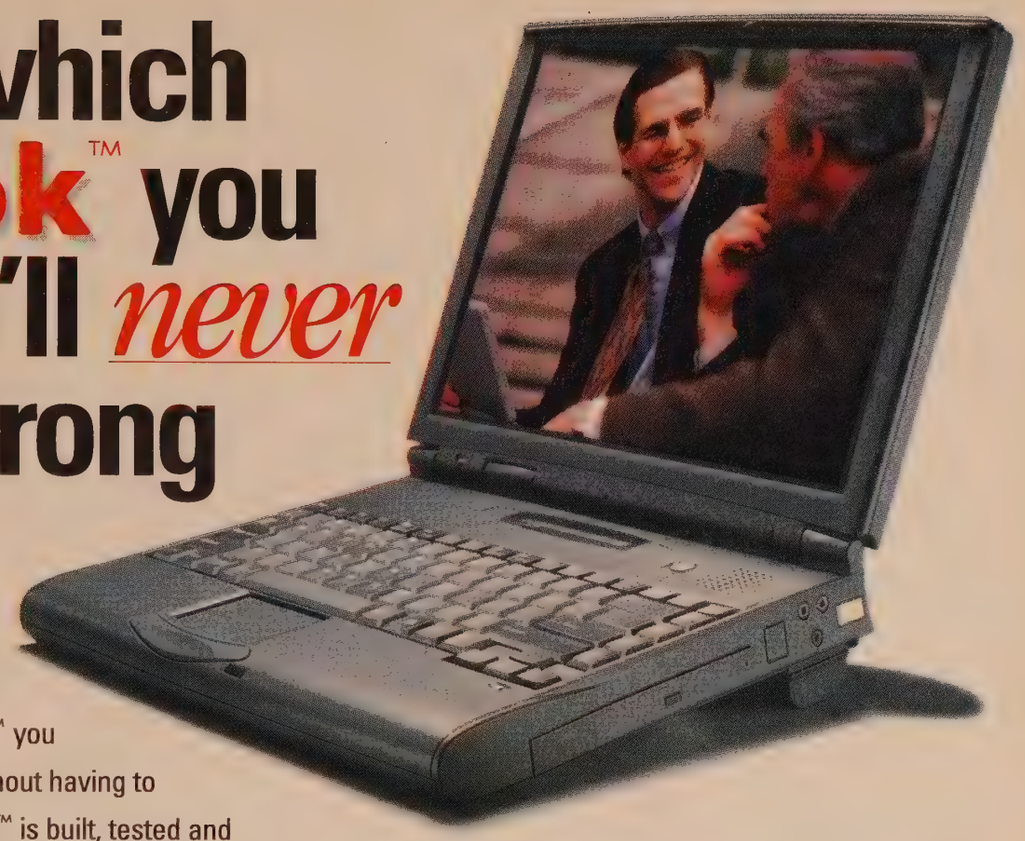
Our upgradeable **ChemBook 6000** model provides you better multimedia and communications performance without compromising battery life.

Call **800-866-CHEM** or Visit **www.chemusa.com** for an *online quote*
CHEM USA Corp. 8445 Central Avenue, Newark CA 94560
Phone: 510-608-8818 Fax: 510-608-8828

ChemBook is a trademark of CHEM USA. Pentium is a registered trademark of Intel Corporation.

CHEM USA
The Notebook Company

No matter which ChemBook™ you choose, you'll *never* make the wrong decision.



That's because a ChemBook™ is *upgradeable.* Get the ChemBook™ you need now and upgrade to a faster CPU later – without having to buy a whole new notebook! Every ChemBook™ is built, tested and supported right here in the U.S. So choose the ChemBook™ that's getting great reviews today and will still be your best decision tomorrow.

It's more than a notebook. It's a ChemBook™.

6800/6800XL

- Intel Pentium® CPU with MMX up to 233MHz
- 512KB Pipelined-Burst L2 Cache Memory
- 12.1" SVGA DSTN LCD
- 12.1" SVGA/13.3"/14.1" XGA TFT LCD
- 2MB/4MB EDO Video RAM
- 64-bit PCI Video Controller with Graphics Accelerator
- Expandable EDO Memory up to 72MB/128MB
- Built-In 16X/20X CD-ROM
- Flash BIOS with Plug & Play
- 3 x Type II or 1 x Type II + 1 x Type III PCMCIA (2 x Type II or 1 x Type III for 6800XL)
- Supports CardBus & Zoomed Video
- 16-bit Stereo/3D Sound System with Hardware WaveTable
- Infrared FIR/Dual USB Port
- RCA/S-Video Jack for TV-Out

Option: Battery Charger/Car Adapter/Hot Port Replicator

2600/2700

- Intel Pentium CPU with MMX up to 233MHz
- Intel 430TX Core Logic
- 256KB/512KB Pipelined-Burst L2 Cache Memory
- 12.1" SVGA/13.8" XGA DSTN LCD
- 12.1" SVGA/14.2" XGA TFT LCD
- 2MB/4MB EDO Video RAM
- 64-bit PCI Video Controller with Graphics Accelerator
- Expandable EDO/SDRAM Memory up to 128MB
- 2 Smart Bays, supports 2nd & 3rd HDD
- Removable 14x/20x CD-ROM
- Flash BIOS with Plug & Play
- 2 x Type II or 1 x Type III PCMCIA
- CardBus & Zoomed Video
- 16-bit Stereo/3D Sound System with Hardware WaveTable
- Infrared FIR/RCA Jack for TV-Out/USB Port
- Inside/Attachable AC Adapter/Hot Docking/Smart Battery

Option: Port Replicator/Mini Docking Station/PCI Docking Station/Internal Fax Modem/Car Adapter/Video Capture

9750/9780

- Intel Pentium CPU with MMX up to 233MHz
- Intel 430TX Core Logic
- 256KB/512KB Pipelined-Burst L2 Cache Memory
- 12.1" SVGA/13" XGA DSTN LCD
- 12.1"/13.3"/14.1" XGA TFT LCD
- 2MB/4MB EDO Video RAM
- 32-bit/64-bit PCI Video Controller with Graphics Accelerator
- Expandable EDO/SDRAM up to 80MB/128MB
- Removable/Built-In 16X/20X CD-ROM
- Flash BIOS with Plug & Play
- 2 x Type II or 1 x Type III PCMCIA
- CardBus & Zoomed Video
- 16-bit Stereo/3D Sound System with Hardware WaveTable
- Infrared FIR/RCA Jack for Video In/Out/Dual USB Port
- Hot Docking Station, Smart Battery

Option: Port Replicator/PCI Docking Station/Battery Charger/ Car Adapter

LAPTOP BUYER'S GUIDE & HANDBOOK ★BEST BUY★

Energy EPA POLLUTION PREVENTER · NON CFC · ISO-9001 · intel inside pentium PROCESSOR

Visit **www.chemusa.com** for an *online quote.*
CHEM USA Corp., 8445 Central Avenue, Newark, CA 94560
Phone **510-608-8818**, Fax **510-608-8828**

CHEM USA
The Notebook Company

ChemBook is a trademark of CHEM USA. Pentium is a registered trademark of Intel Corp.

HIQ. YOUR COMPUTING SOLUTIONS PARTNER

CORPORATE, GOVERNMENT, AND EDUCATIONAL POS WELCOME

3 YEAR LIMITED WARRANTY

SUNNYVALE
740 North Mary Ave.
Sunnyvale, CA 94086
408.245.5836
Fax: 408.245-3108
STORE HOURS:
Mon-Fri: 9am-6pm

SACRAMENTO
11225 Trade Center Dr.
Suite #100
Sacramento, CA 95742
916.635.7842
Fax: 916.635.3692

MARIN COUNTY
650 Sir Francis Drake Blvd.
San Anselmo, CA
94960
800.929.1893
Fax: 415.459.7248

ATLANTA
6060 McDonough Dr.
Norcross, GA 30093
800.875.2882
Fax: 770.417.1453

BOSTON
1345 Main St.
Waltham, MA 02154
800.249.1886
Fax: 617.272.9986

CHICAGO
15028 Lagrange Rd.
Orland Park, IL 60462
800.819.4588
Fax: 708.403.4593

DENVER
7808 Cherry Creek
South Drive, #409
Denver, CO 80231
303.338.1300
Fax: 303.338-1333

Microsoft Certified Solution Provider

★★★★★ PC Computing

NEW PRODUCT!
HiQ Orion II Pro PC

Intel Pentium® II 266Mhz Processor
Intel PD440FX PCI/ISA Motherboard
32MB EDO 60ns RAM
3.5GB EIDE Hard Drive
1.44MB Floppy Drive
Matrox Millennium II 4MB WRAM
24X EIDE CD-ROM
Integrated Soundcard
Altec Lansing ACS45 Speaker w/ Subwoofer
33.6 US Robotics Sportster Faxmodem
ATX Mid Tower Case w/ 230 PS
Microsoft Natural Keyboard
Microsoft IntelliMouse PS/2
Microsoft Windows 95 w/ Media

$1699

HiQ Orion
Dual Pentium II Server

Dual Intel Pentium® II 266Mhz Processor
ASUS P2L97DS Dual P-II MB
128MB SDRAM Memory
3.5" Floppy Drive
Diamond 3D 2240 2MB EDO RAM
Dual 4.0GB Ultra Wide SCSI HDD
Integrated UW SCSI Controller
3Com 3C905 PCI 10/100 Ethernet Card
PCI Bus Ultra SCSI Controller
8X Internal SCSI CDROM Drive
Microsoft Windows NT 4.0 Server 5 User
Fileserver Mobile Case
Dual Redundant 300W Power Supply's
104 Keytronic PS/2 Keyboard
Microsoft PS/2 Mouse

$4699

HiQ Apollo + MMX™ Home PC

Intel MMX™ Pentium® Processor
Intel Anchorage PCI/ISA MB
512K Pipeline Cache
32 MB 10ns SDRAM
2.5GB EIDE Hard Drive
1.44 MB Floppy Drive
Matrox Mystique 220 4MB SGRAM
16X EIDE CD-ROM
Integrated Yamaha YMF701 Stereo
60 Watt Speakers w/ AC Adapter
33.6 US Robotics Sportster Fax/Modem
2 Months Free iNow Internet Access
ATX Mid Tower Case w/ 230 PS
104 Key Keytronics KBO
Microsoft Ergonomic Mouse PS/2
Microsoft Windows 95 w/ Media

Intel Pentium® MMX™ 200MHz $1149
Intel Pentium® MMX™ 166MHz $1049

HiQ Apollo + MMX™ Performance PC

Intel MMX™ Pentium® Processor
Intel Anchorage PCI/ISA MB
512K Pipeline Cache
32 MB 10ns SDRAM
3.5 GB EIDE Hard Drive
1.44 MB Floppy Drive
Matrox Millennium II 4MB WRAM
24X EIDE CD-ROM
Integrated Yamaha YMF701 Stereo
Altec Lansing ACS45 Speaker w/ Subwoofer
33.6 US Robotics Sportster Fax/Modem
2 Months Free iNow Internet Access
ATX Mid Tower Case w/ 230 PS
Microsoft Natural Keyboard
Microsoft IntelliMouse PS/2
Microsoft Windows 95 w/ Media

Intel Pentium® MMX™ 200 MHz.....$1349
Intel Pentium® MMX™ 166 MHz.....$1249

HiQ Saturn + MMX™ Home PC

Intel MMX™ Pentium® Processor
Intel 430VX Chipset MB
512K Pipeline Cache
16 MB EDO 60ns RAM
1.7GB EIDE Hard Drive
1.44 MB Floppy Drive
Matrox Mystique 220 4MB SGRAM
16X EIDE CD Rom
Sound Blaster® 16 Sound Card
60 Watt Speakers w/ AC Adapter
33.6 US Robotics Sportster Fax/Modem
2 Months Free iNow Internet Access
Mid Tower Case w/ 230 PS
104 Key Keytronics KBO
Microsoft Ergonomic Mouse
Microsoft Windows 95 w/ Media

Intel Pentium® MMX™ 200 MHz $999
Intel Pentium® MMX™ 166 MHz $899

HiQ Saturn + MMX™ Performance PC

Intel MMX™ Pentium® Processor
Intel 430VX Chipset MB
512K Pipeline Cache
32 MB EDO 60ns RAM
3.5 GB EIDE Hard Drive
1.44 MB Floppy Drive
Matrox Millennium II 4MB WRAM
24X EIDE CD-ROM
Sound Blaster AWE 64 OEM Soundcard
Altec Lansing ACS45 Speaker w/ Subwoofer
33.6 US Robotics Sportster Fax/Modem
2 Months Free iNow Internet Access
Mid Tower Case w/ 230 PS
Microsoft Natural Keyboard
Microsoft IntelliMouse
Microsoft Windows 95 w/ Media

Intel Pentium® MMX™ 200 MHz $1299
Intel Pentium® MMX™ 166 MHz.....$1199

HiQ ValueLine PC

Intel MMX™ Pentium® Processor
Intel 430VX Chipset MB
512K Pipeline Cache
16 MB EDO 60ns RAM
1.7GB EIDE Hard Drive
1.44MB Floppy Drive
Diamond 3D 2240 2MB EDO RAM
16X EIDE CD-ROM
Sound Blaster 16 Sound Card
60 Watt Speakers w/ AC Adapter
Mid Tower Case w/ 230 PS
104 Key Keytronics KBO
Serial Mouse w/ Pad
Microsoft Windows 95 w/ Media

Intel Pentium® MMX™ 200 MHz.....$849
Intel Pentium® MMX™ 166 MHz.....$749

POPULAR NOTEBOOKS NOW AVAILABLE

Call for Prices and Availability

COMPAQ
FUJITSU
HITACHI
TOSHIBA
IBM

CALL FOR LATEST PRICING!

HIQ 1.800.827.5836

www.hiq.com

intel inside pentium · intel inside · Cyrix

VISA · MasterCard · DISCOVER · AMERICAN EXPRESS

All returned items must have a return merchandise authorization number (RMA#) and must be in original packaging. The cost of return freight is not included with any money-back guarantees; shipping charges are non-refundable. Prices and product descriptions subject to change without notice. HiQ Computer Systems can not be responsible for omissions or errors in typography or photography. Pentium and Intel Inside logo are trademarks shown herein may be the properties of other companies. Some of the names or trademarks shown herein may be the properties of other companies. HiQ Computer Systems, Inc. 1997, All Rights Reserved.

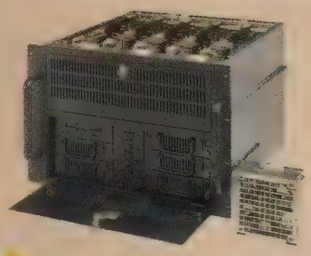
IN-HOUSE DESIGN • MANUFACTURING • CUSTOM MODIFICATION • TURNKEY SOLUTION

Your One-Stop Source for

Rack Mount Computers

If they are a MANUFACTURER, why sell someone eles's PRODUCTS?

7000HT CTI/Network Applications



- 8 to 20 Slots PCI/ISA Backplane Support
- Split Backplane Support (Up to 6 Systems)
- AT or ATX Motherboard Support
- Individual Shock Mounts for 8 Drives
- FAULT Tolerant Features include: Temperature Monitoring, Hot Swap Fans, Power Supplies & HDD
- 19"(W) x 12.25"(H) x 18.5"(D)

Rock Solid Fault Tolerant Protection

Granite - 5100HT

Intelligent Fault Tolerant Computer Telephony / Network Server

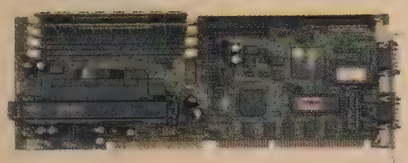
- Individual Shock Mounts for up to Eight 5.25" Devices
- Air Filters on All Intake Vents
- Front Panel Support for 4 Individual Systems
- Front Panel Mounted Activity & Alarm LED's
- Steel and Aluminum Construction
- 19"(W) x 8.75"(H) x 26"(D)
- **Over Temp & Fan RPM Monitor**
- Hot Swap Fans & Power Supplies
- Hot Swap Removable Drive (optional)
- 8-20 Slots PCI/ISA Backplane Support
- Split Backplane (Up to 6 Systems) Support
- AT or ATX Motherboard Support

4080H RAID Subsystem

- Eight 5.25" Drive Bays
- Dual Hot Swap PS-400W(AC) or 300W(DC)
- Hot Swap Removable Drives Option
- RAID Level 0, 1, 3 & 5 Support
- 19"(W) x 7"(H) x 20" (D)

RAID

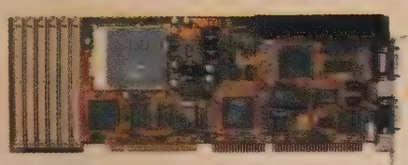
SBC - Pentium® II



NEW

- **CPU:** Pentium® II processor, up to 333MHz
- **Cache:** 512K Level II Cache built into the processor
- **Memory:** Four DIMM sockets supporting up to 512MB, FPM, EDO, SDRAM and ECC
- **Chipset:** Intel® 82440LX PCI set, fully complied with PC 97 specification
- **BIOS:** Award Flash BIOS with plug and play supporting PCI V2.1, Pc 97
- **On Board I/O:** PCI EIDE, FDD, 2 Serial, 1 Parallel, USB, PS2 Keyboard and Mouse

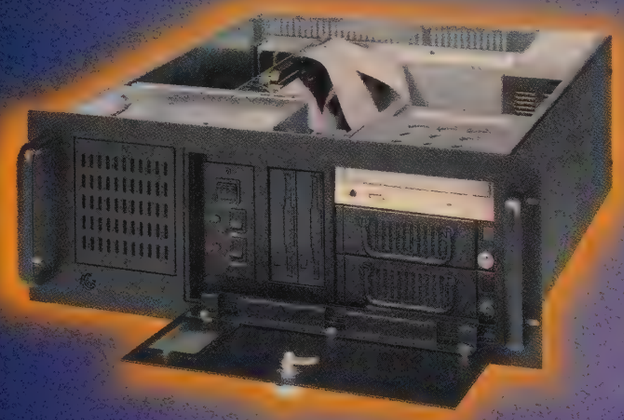
SBC - Pentium® MMX



MMX

- **CPU:** Intel, AMD or Cyrix CPU with MMX Technology Up to 233MHz for P55C Pentium Processor
- **Cache:** 512K Pipe Line Burst Cache
- **Memory:** Up to 384MB- FPM, EDO or ECC memory
- **BIOS:** AWARD Plug & Play BIOS
- **Chipset:** Intel 430HX Chipset
- **On Board I/O:** PCI Bus Master (E)IDE, FDD,16550 UART Serial, EPP/ECP Parallel, USB,PS2 Mouse & Keyboard
- **OS Compatibility:** Windows NT/95/3.1.x, OS/2 Warp SCO UNIX, Netware and DOS

COMPACT, Fault Resilient System



CALL for RESELLER price!

4100HT

- 8 to 14 slots BP, AT, ATX Motherboard Support 5 drive bays
- Hot Swap PS (300, 400W AC, 300W DC, 300W ATX) or Single PS
- Fan fail & over-temp alarm-visual & audible (option)
- 82CFM cooling fans, optionaldual 56CFM cooling fans
- Chassis only available
- 19"(W) x 7"(H) x 20"(D)

Made in U.S.A

Full Line of Rack Mount Products

Rack Mount Keyboards• Monitor s• Expandable Rack Cabinets

APPR

PROMO#: AMT1008

APPRO International, Inc.

800 927 5464

TEL (408) 941-8100 **FAX** (408) 941-8111

446 South Abbott Ave., Milpitas, CA 95035

VISA MasterCard AMERICAN EXPRESS

COMDEX Fall '97 Nov. 17-21

Booth# H1922 Las Vagas Hilton

Catalog on Line

http://www.appro.com

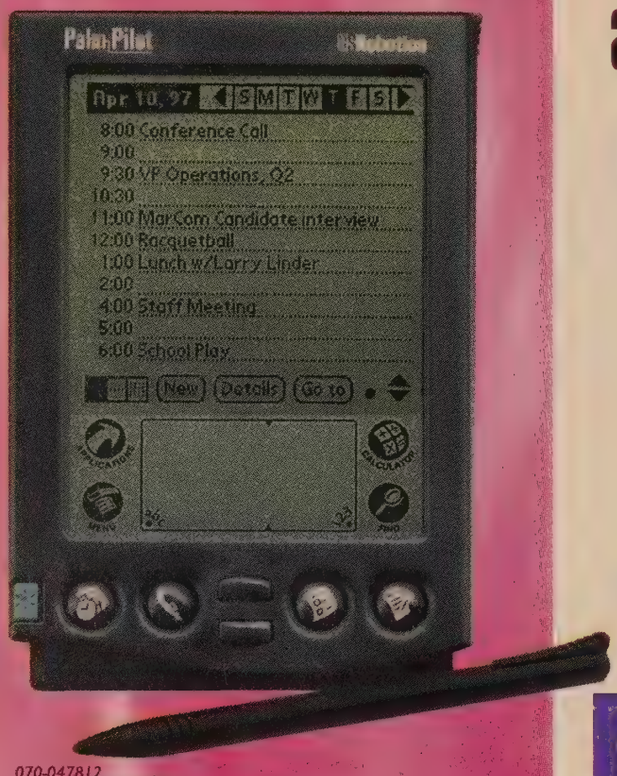
info@appro.com

get into the zone for

Grand OPENING SAVINGS

t-zone is coming to san mateo!

GRAND OPENING AT 2240 BRIDGEPOINT PARKWAY NOVEMBER 28TH



070-047812

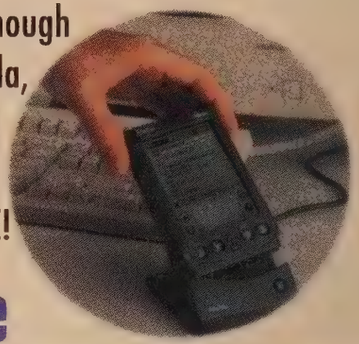
VISIT OUR WEBSITE

and register to win a *Free*

US Robotics®

PALM PILOT PROFESSIONAL

Small enough to fit in your pocket, enough memory to organize your day's agenda, addresses, memos, notes and more! It's expandable, upgradeable, connects to your PC... and it could be yours FREE!



courtesy of **T-Zone**

www.tzone.com

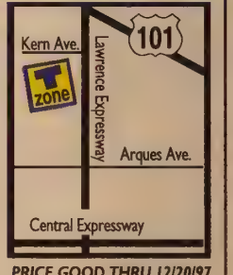
And don't miss the Grand Opening of T-Zone in San Mateo in November

You're Never Alone When You Visit the Zone.

T-Zone

Worldwide Computer Superstore

1190 Kern Avenue • Sunnyvale



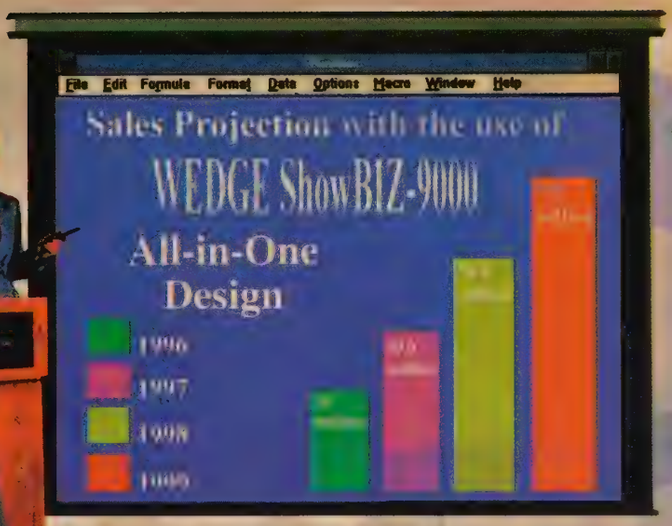
PRICE GOOD THRU 12/20/97.

© 1997, Copyright. T-Zone logo and "You're Never Alone When You Visit The Zone!" with type treatment is a trademark of T-Zone, Inc. The Intel Inside logo and Pentium are registered trademarks and MMX is a trademark of Intel Corporation. All other brand name are the sole property of their respective owners. Not responsible for typographical error. Prices subject to change without notice. While supplies last. No sales to resellers and dealers (Contact T-Zone Business Sales at 1-888-990-0663).

408.733.9920 • 1.888.990.ZONE (0663) • www.tzone.com • e-mail sales@tzone.com

6 Foot Screen Notebook

Animate your Overhead Projection

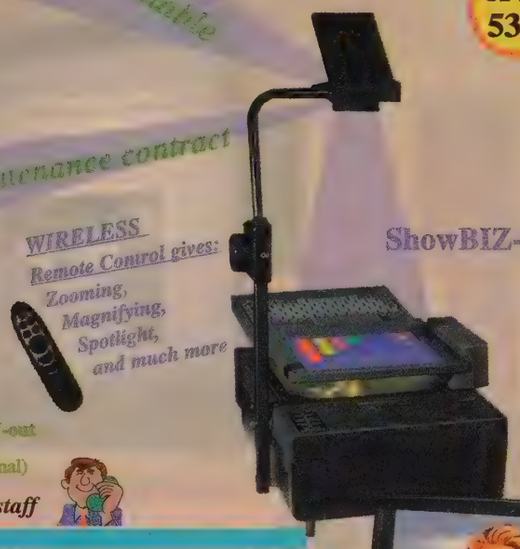


GE On-Site available

Maintenance contract

US Patent #: 5359550

WIRELESS
Remote Control gives:
Zooming,
Magnifying,
Spotlight,
and much more



ShowBIZ-9000

ShowBIZ-9000 MMX Presentation notebook

* Overhead Projection Display for Live Presentation
* Up to Pentium 233MHz MMX * [illegible] of RAM
* Up to 3.0 GB HDD storage * Built-in 11X CD-ROM
* Built-in 3D sound w/ Wavetable * Built-in USB port and TV-out
* Built-in Z-V port, card bus * 64-bit Video bus w/ 2MB
* M/O Drive, Video Capture module and 120MB FDD (optional)

Call and talk to our professional sales staff

ShowBOOK-6CD (233MHz MMX) *Starts at $1735*

All-in-one

* Up to Pentium 233MHz MMX
* Built-in 20X CD-ROM
* Up to 72MB EDO memory
* 3 x PCMCIA slots
* TV-OUT port for NTSC & PAL
* Supports Zoomed Video port
* Built-in Game/MIDI port

All prices include 1.4GB hard drive, AC/DC adapter, NiMH battery,16MB of EDO RAM, Intel Pentium CPU, Built-in Stereo Audio, Built-in 20X CD-ROM, Super VGA large screen, and luxury carrying case.

	150MHz	166MMX	200MMX	233MMX
12.1" DS Color	$1735	$1805	$1920	$2045
12.1" Active Color	$2170	$2240	$2355	$2480

Starts at $2645

SuperBOOK-VI

* Up to Pentium 233MHz MMX
* 1024 x 768 resolution on local display
* Video Capture Ready
* Supports up to 80MB of RAM
* Built-in 16X CD-ROM
* MPEG ready for Full Motion Video

All prices include 1.4GB hard drive, AC/DC adapter, NiMH battery,16MB of EDO RAM, Intel Pentium CPU, Built-in Stereo Audio, Built-in 16X CD-ROM, 13.3" XGA large screen, and luxury carrying case.

	150MHz	166MMX	200MMX	233MMX
13.3" XGA Color (1024x768 reso.)	$2645	$2715	$2830	$2955

13.3" XGA
233MHz MMX

All-in-One Design . 4MB Video

" If you're looking for a big screen, flexibility, and speedy performance for under $4,500, you can stop your search right now. The ShowBook 7CD is it."

Nov 97 PORTABLE COMPUTING DIRECT SHOPPER

All prices include 1.4GB hard drive, AC/DC adapter, NiMH battery,16MB of EDO RAM, Intel Pentium CPU, Built-in Stereo Audio, Built-in 20X CD-ROM, 13.3" & 14.1" XGA Super Large screen, and luxury carrying case.

	150MHz	166MMX	200MMX	233MMX
13.3" XGA Color (1024x768 reso.)	$2795	$2865	$2980	$3105
14.1" XGA Color (1024x768 reso.)	$2895	$2965	$3080	$3205

ShowBOOK-7CD *Starts at $2795*

* Up to Pentium 233MHz MMX
* 512K External Pipeline Burst Cache
* 14.1" Super Large XGA TFT color
* 1024 x 768 resolution on local display
* Supports True Color under 1280x1024
* Up to 128MB of EDO RAM
* MPEG ready for Full Motion Video
* Built-in 20X CD-ROM
* Dual USB Port
* Built-in 3D Stereo Audio

233MHz MMX . 14.1" XGA

Welcome to visit our WEB SITE
http://www.wedgetech.com

Resellers & Dealers are welcome

- All prices and specifications subject to change w/o notice
- Not responsible for any omissions, typography or photography error
- All returned items must have RMA# and in original packaging
- All logos and brand names are trademarks of their respective companies
- Absolutely no refunds for merchandise returned after 30 days
- Shipping charges, opened S/W & custom configured sys are not refundable

Leasing option available

On-site Extended warranty available

800-USA-WEDGE (872-9334) . 888-887-8228

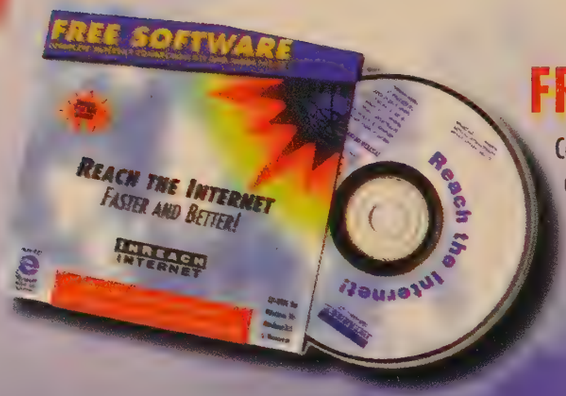
Wedge notebooks quality shows here:

PC LapTop INFOWORLD PCWEEK BYTE cnet NEWS.COM

WEDGE TECHNOLOGY, INC. SINCE 1981
Your Partner for Success
1657 McCandless Drive. Milpitas. CA 95035
Tel:(408)263-9888 . Fax: (408)263.9886
Email: Sales@wedgetech.com

Faster, Better Internet Access is Within Your Reach.

(so is some cool free stuff.)



FREE Internet Software

Call today for your free copy of the fastest and easiest way to "Reach the Internet!" There is no obligation — just load the software and you can be on the Internet in minutes!

FREE Internet Book

As a special offer to new members, the book *Reach the Internet!* is yours FREE when you sign up! This 104-page book is an easy way to get the most out of your Internet experience, and is a valuable reference for both new and experienced users.

Want fast, reliable Internet access?

Is your provider not delivering the services you expect? InReach gives you a better class of Internet service at a fair price. After a one-time setup fee of $19.95, you can enjoy **unlimited**, superior Internet access for just $19.95 a month!

$19.95 per month Unlimited Hours

Experience the service you deserve.

Local access statewide in California, so you never have to pay for toll calls. **Toll-free**, friendly technical support. **10 MEGS** of free web space for your personal or business web site. **Fiber optic connections** direct to the Internet backbone for the ultimate in network performance and reliability. Plus a collection of extras such as local chat rooms, Planet Direct, community newsgroups, online gaming servers, and much more!

Fast 56K Access.

InReach is one of the only Internet providers to support **BOTH** 56K modem technologies. Our 100% digital network works with any 56K modem using either US Robotics' **x2** or Rockwell's **K56flex** technology. We've added over 130 special 56K dial-up numbers statewide, to make sure you always connect to the correct type of modem at the highest speed possible. Access the Internet **nearly twice as fast** with InReach!

SATISFACTION GUARANTEE 30 DAY MBG

Guaranteed!

We are so sure that you will enjoy our superior Internet service that we offer you a 30 day money-back guarantee! Try us for a whole month. If you are not completely satisfied, cancel for a full refund. The book and the software will be yours to keep. ***Call today!***

INREACH INTERNET

www.inreach.com
info@inreach.com

Call today for your FREE Software without obligation!

800-446-7322

K56 FLEX — CONNECT with Rockwell

THE INTERNET...

EMAIL • WORLD WIDE WEB • 32,000 NEWSGROUPS • SOFTWARE DOWNLOADS

PLUS SPECIAL EXTRAS!

LOCAL CHAT ROOMS • 10 MEGS OF WEB SPACE • COMMUNITY NEWSGROUPS
QUAKE WORLD SERVER • KALI ONLINE GAMING SERVER
LOOKSMART WEB DIRECTORY AND SEARCH ENGINE • PLANET DIRECT

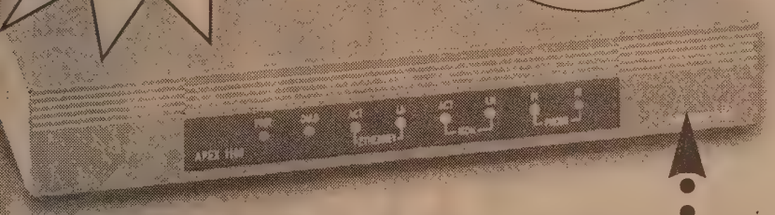
US Robotics X2 56Kbps modem TECHNOLOGY

the SMALL OFFICE HOME OFFICE Solution

ISDN BRI Router & ISDN Digital Modems

LAN Times
July 7, 1997
"The easiest setup and configuration of an ISDN product (router) we have seen!"

as low as **$428**



APEX 1100

featuring

- Dynamic IP - use a single IP address account to connect multiple users
- Static IP to host your own website
- MultilinkPPP
- Dial/Bandwidth-on-Demand
- Windows® 95 and NT 4.0 GUI
- Automatic SPID & switch type detection
- PAP & CHAP
- LZS® Compression
- Unlimited number of LAN users
- Two Analog Ports (optional)

FLASH 300 Plus²

featuring

- Parallel & serial PC interfaces
- Serial port for concurrent printing & data transfers
- Dial/Bandwidth-on-Demand
- Windows® 95 GUI
- Automatic SPID & switch type detection
- Two Analog Ports (optional)

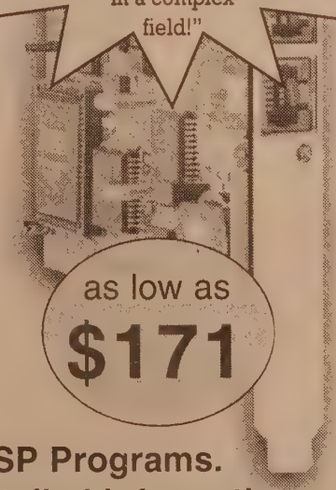
as low as **$265**

FLASH 200

featuring

- Plug-n-Play installation
- Windows® 95 GUI
- Automatic SPID & switch type detection
- Mircosoft® Compression (up to 512K)
- Two Analog Ports (optional)

HomePC
August 1997
"Arescom's internal Flash 200 is an easy-to-configure option in a complex field!"



as low as **$171**

FREE ISDN line ordering & support by Cyberlink

COMPLETE PACKAGE

Includes:

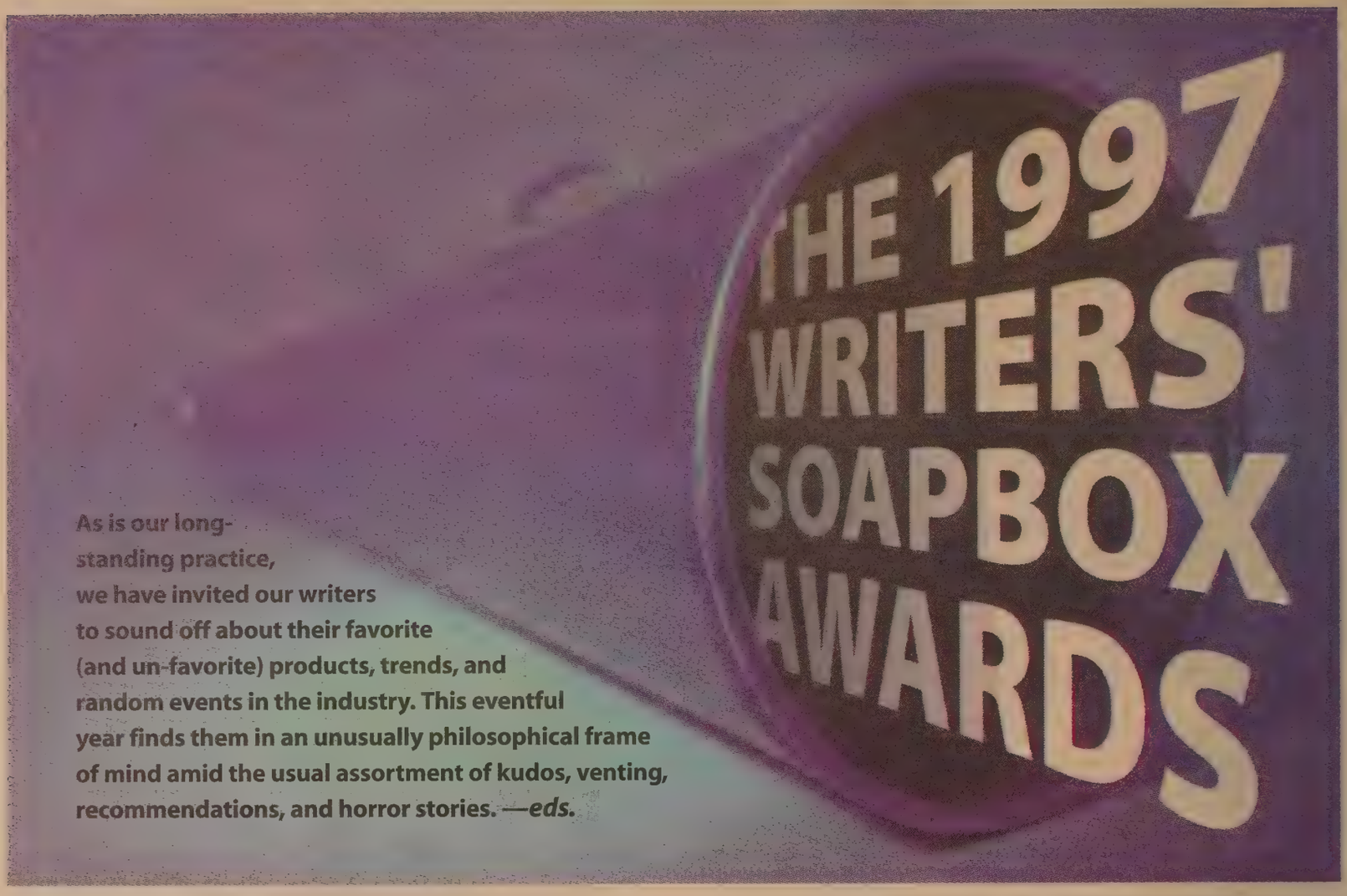
- **FREE** ISDN Ordering service
- **FREE** ISDN Line Provisioning
- **FREE** Internet Access trials by GrendelNet & SlipNet

Arescom offers attractive Reseller and ISP Programs. Contact an Acount Manager for more detailed information.

ARESCOM

(510) 445-3638

www.arescom.com



As is our long-standing practice, we have invited our writers to sound off about their favorite (and un-favorite) products, trends, and random events in the industry. This eventful year finds them in an unusually philosophical frame of mind amid the usual assortment of kudos, venting, recommendations, and horror stories. —*eds.*

Jonathan E.

Gutenberg Rules!

Despite all the various wonders of modern electronic communication in its several forms—broadcast through the air, over the wires of the Net, interactive multimedia on optical discs—I retain a predilection for old-fashioned print, in particular for books.

Some may jeer that "Daddy still likes to hold it when he reads it," as cybercourt jester Matt Drudge did in a recent Flash Report; others may endlessly expound on the advantages of shipping bits rather than atoms, as Nicholas Negroponte does when he can figure out how to actually operate his computer. However, Negroponte certainly sees the advantages of shipping atoms once a month with his column for *Wired*, and less frequently when it came time to repurpose those columns into *Being Digital*, a book.

Judging by the number of other books being published by digitally endowed types, he's far from alone. There may be a lot of talk about new media, but when it comes down to really finding the best avenue of expression for anything requiring an attention span longer than commonly attributed to insects, books remain the preferred medium. Personally, I would be quite horrified if given a computer product as a Christmas gift—but a good book is always welcome, even if it's about computers.

Prejudice, invoked by the frequent inadequacy of their products for human use, initially makes it appear unlikely that software engineers or programmers have much to say in English on emotional matters. Perhaps Ellen Ullman is the exception; perhaps she is just the tip of a vast submerged iceberg of programmers' emotions; but ***Close To The Machine—Technophilia and Its Discontents*** is a real page-turner as Ullman examines her feelings about what she does for a living, and how that living is treating her as the software business mutates all around her.

Programming computers is, of course, more than a living; it's something of an obsession—and, some would say, an escape from the messy world of people and all their conflicting needs, wants, and inclinations. In *Close To The Machine*, Ullman addresses this apparently inherent tension between the worlds of the machine and the human without flinching. She intertwines the multiple strands of her inner emotional life—aging, her relationship with her father, a sexual relationship with a younger man, loneliness—with her outer professional life of running her own virtual contracting company (interspersed with glances at the uncertain lives of the corporately employed) and the constant churn of technological change.

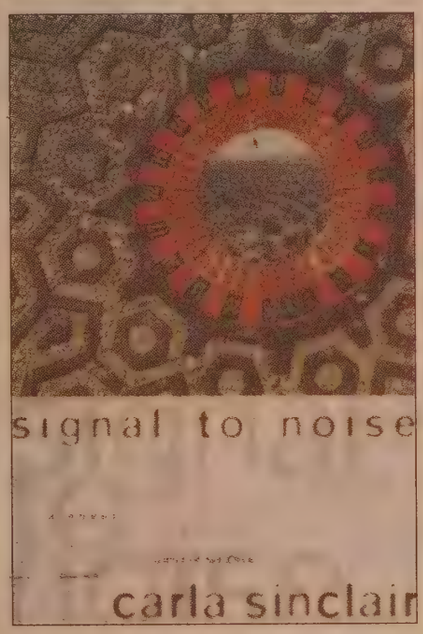
Meditations on the meaning of money, what one does to get it, what it does to you, and the worldwide system of moving it around add an extra filament to the weave. The whole is kept in shape by a constant questioning of how all these elements relate to one another. It's not an entirely pretty picture, but it is full of revelation.

The key revelation comes relatively early in the book when Ullman discovers that computers are not neutral; they're not just another tool with uses and misuses, but rather they force a change upon our culture by emphasizing only certain aspects of what it is to be human—"that portion devoted to logic, order, rule, and clarity. It is as if we took the game of chess and declared it the highest order of human existence."

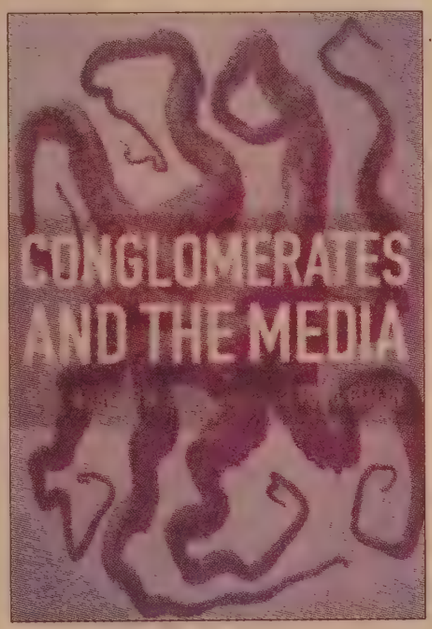
This is, of course, exactly what many technophobes object to in the constant advance of computational techniques into our everyday lives. To her credit, however, Ullman does not

drop the ball here, but continues to probe intriguingly into those ambiguous areas where computers cannot go. It's an approach that has so much more to offer than either the condemnatory "Computers are bad" or the illusionary "Computers are perfect" positions we encounter so often.

Eventually, the spirit of adventure and learning that Ullman finds in writing software triumphs, and she's off on another contract to design some payroll software. However, her meandering detour through her unprogrammable routines has made for both illuminating and entertaining reading. *Close To The Machine* is the book to give to yourself when you wonder what you're doing with computers, and the book to give to others at just about any time.



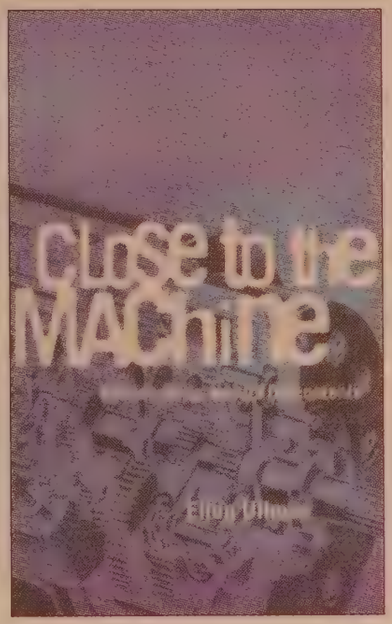
If you were to read ***Signal To Noise*** immediately after *Close To The Machine*, you might find it rather slow going at first. Such is the plight of fiction these days that its need to explain the details of an imaginary world to induce credibility tends to slow it down and trip it up compared to a more purely personal and factual book. However, *Signal To Noise* is barely about an imaginary world, and much of it takes place in the same location as much of *Close To The Machine*, San Francisco's Multimedia Gulch.



While a good part of the initial appeal of *Signal To Noise* lies in Carla Sinclair's somewhat vicious lampooning of the whole South Park scene, there's just too much lovingly described trivia and scene *mise-en-scène*. It's easy to imagine that Sinclair will never eat lunch at Caffe Centro again, but, then again, many of that crowd are so clearly post-literate that they'll only care that their personas are present, not what is actually said about them. Certainly, we learn more about the colonic spasms of Jim Knight, features editor at *Signal*, a thinly disguised analog of *Wired*, than I would want known about my own.

Thankfully, before too long, *Signal To Noise* builds up steam and confidently escorts one through what one assumes is a fantasy. The story is part thriller, part love story and part cautionary tale of what happens when drink, drugs and gambling over the Web enter the life of Knight—so far, a sickeningly rectitudinous individual. Besides Knight and his colon, the other main character is Kat Astura, confused and frustrated young person (female) and unpaid intern at one of South Park's many other ever-so-hip new media operations, a 'zine by the name of *Going Gaga*. Of course, I shouldn't give the whole story away but I'll let on that, after numerous ups and downs, all ends very happily with a clever literary twist.

There's more to *Signal To Noise* than first meets the eye, and, while it has its clunky moments, Sinclair ultimately pulls it off with rather impressive panache. It'll be interesting to see what she does in the future. For now, give *Signal To Noise* to your favorite new media conspiracy theorist or to your most ambitious cybercrook friends—it'll scare 'em off the wrong path!



Turning from *Signal To Noise*'s playful take on what can happen when criminal elements get involved in new media, we come to ***Conglomerates And The Media***'s deadly serious look at what is happening as giant corporate elements are taking over old media. A good part of the value of this book is its putting into perspective the way the real media power game is being played in the world today. It's not a game at all, and it's not being played.

It's about corporate control of our means of information, particularly political, social, and entertainment information, and how control of those channels will, or at least can, shape our thought processes and hence our society.

Another part of *Conglomerates And The Media*'s value comes from its look back at early periods of previous new media technologies, and comparison of the hopes and hype of those times to the current outcome.

Erik Barnouw begins this process with an examination of the early days of radio and continues on to the launch of television. While he barely mentions the Web, the parallels are inescapable. At the end of his piece, the Web does come into view and, of course, the major problem with it is what basically derailed the value of radio and television—advertising sponsorship and commercial interests, particularly as regards the way children relate to it and its educational potential.

Richard Cohen details the chilling effects on television news gathering and dissemination imposed by conglomerate ownership, and the need for high profit margins imposed by huge debt loads. Much of the theoretical blathering over new media has been about such things as synergy; this piece shows the dark side of that process.

Gene Roberts addresses the plight of today's newspapers and their increasingly distant relationship with local issues. Thomas Schatz covers the financial aspects of Hollywood in a rather dry fashion, but does explain the increasingly important revenues the studios derive from the franchising of any particular property.

Mark Crispin Miller takes a look at the book publishing industry and what conglomerate ownership is doing to the free expression of ideas as well as to the quality of books. He captured my heart with an attack upon the poor contemporary standards of editorial proofreading; unfortunately, this book suffers from its own unacceptable number of typos!

David Lieberman analyzes the effects that conglomerate ownership and computer companies entering the media market will have on the public interest, news reporting, and children's programming. It's perhaps a paradoxical situation of more choices and less diversity, but he admits that being a media mogul in this day and age is not an enviable position.

Patricia Aufderheide brings us squarely into the new media arena with a realistic attitude to the many sided issue of "Telecommunications And The Public Interest." Essentially, for all the promise of the Internet as a communications

Jonathan E.: "There may be a lot of talk about new media, but when it comes down to really finding the best avenue of expression for anything requiring an attention span longer than commonly attributed to insects, books remain the preferred medium."

medium, the fact remains that accurate and substantial news gathering is an expensive proposition.

Lastly, Thomas Frank closes the circle with a look at the absurdity behind advertising, using our increasing alienation from anything corporate to sell us corporate products through corporate channels. It's a hoot and it's beautiful!

Conglomerates And The Media is the book to get for those who are truly puzzled by our times, sceptical of the hot air being blown about, but not yet truly cynical about media. It's also the book to get for those who believe that everything's fine, we've got nothing to worry about and that the Internet is going to solve all our problems.

Most importantly, it's the book for those who think that the market will solve everything and that the economic system we live in is a natural one, not a peculiar construct in constant symbiosis with our media.

Lastly, if you're already terminally cynical about today's media and all the blather about new media, it's the book to give your unconvinced friends so that they'll finally see your point of view.

Close To The Machine—Technophilia and Its Discontents
by Ellen Ullman
$12.95
City Lights Books, San Francisco
Signal To Noise
by Carla Sinclair
$22.50
HarperEdge, San Francisco
Conglomerates And The Media
by Erik Barnouw et al.
$23
The New Press, New York
Copyright © 1997 by Jonathan E. All rights reserved.

Paul Hoffman

The Best And The Worst

Well, I know many of my friends will fall down dead when they hear this, but I stopped using my **Mac**. I switched to **Windows 95** about a month ago, and am using it full-time now. My almost-new **Power Computing** system gets turned on about once a week. And I'm not happy.

These Soapboxes are usually meant to point out the best and worst products of the year—sometimes to help your buying decisions, sometimes just to let us writers vent. Well, the biggest buying decision for computer users is usually "Which computer should I buy?" Until earlier this year, 90% of the time I would say a Macintosh. Now, I'd still say that about a third of the time, but mostly I'd sigh and say "a Windows machine."

If you've been reading my news column, you know that I don't think that firing Gil Amelio was a big deal. However, what happened after that was a sure sign that Apple is consistently making choices showing that it doesn't care about its current user base and that it's fantasizing about what its next user base is.

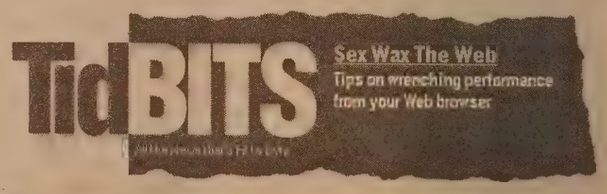
I won't go into all the analysis here; I'm still too depressed about it. Suffice it to say that when Apple killed off the cloners, then killed off its free and low-cost customer support, it killed off its market. It might survive for a few years, it could be gone by this time next year. Either way, it's hard to recommend buying an Apple computer to many people. If you're a complete computer novice and a bit technophobic (a perfectly reasonable way to be), an inexpensive Macintosh might still be a fine purchase.

Otherwise, you probably should buy a PC running Windows 95. Gad, it kills me to say that, especially after I've been using one for a while. Actually, I've been using Windows forever, since version 1. But I used it as rarely as possible because the Mac is just so much better. Now that I'm using Windows 95 day in and day out, I can still say that the Mac's operating system is much friendlier and much easier to fix when things go wrong. And yet I must say that you should probably be using Windows 95.

So, the best and the worst of 1997 comes from Apple. The best is the MacOS, especially MacOS 8, which although showing signs of bloat, still is much easier to handle than Windows 95 for all levels of users. The worst is Apple's decisions to abandon its loyal MacOS customers, to kill off the clone market, and to kill off its all-important support services.

The Best Gems Are Free

This is the first year the Soapboxes are in the Holiday Gift Guide. You might be reading these gems of writing in order to figure out what you buy for a spouse, a lover, an offspring, or a friend. Well, I'm not going to help you here, because my recommendations are for things that are free.

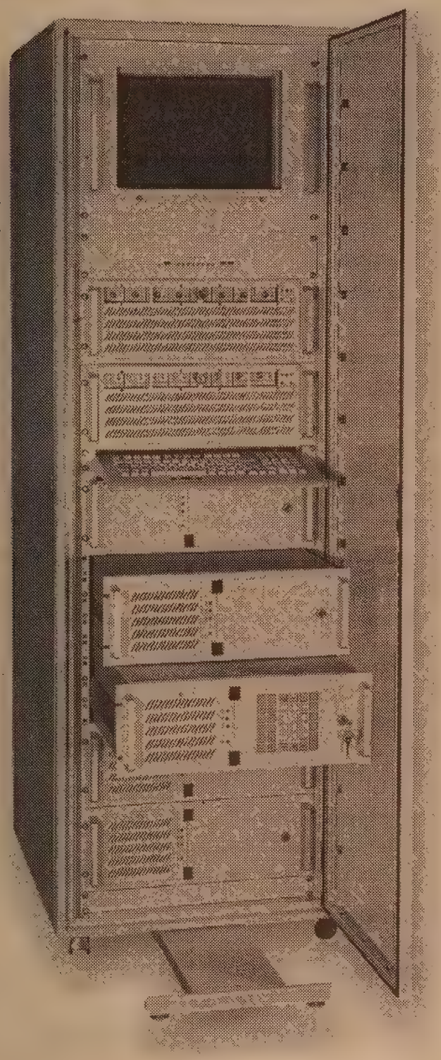


I heartily believe in giving away things that are free, both at holidays and all through the year. The ideas here are all worthy in their own right, and you might have paid good money for them.

For Mac users, I strongly recommend a subscription to ***TidBITS***, a free weekly newsletter about all things Macintosh. It's been around forever, and the editors are wonderful people with a deep understanding of what makes the Mac so great (when Apple lets it). Find out about subscribing at *www.tidbits.com*.

For all Internet users, I also suggest a subscription to ***NetBITS***, from the same good people

INDUSTRIAL
COMPUTER • SYSTEMS



RACKMOUNT ENCLOSURE
- 8 to 20 slot enclosure
- Single or dual hot swap power supply
- Supports most PC/AT & ATX formats
- Shock-mounted drive bays
- Locking front panel access

RACKMOUNT RAID ENCLOSURE
- Builds up to 8 removable disk drive modules
- Single or dual hot swap power supply
- 2 cooling fans

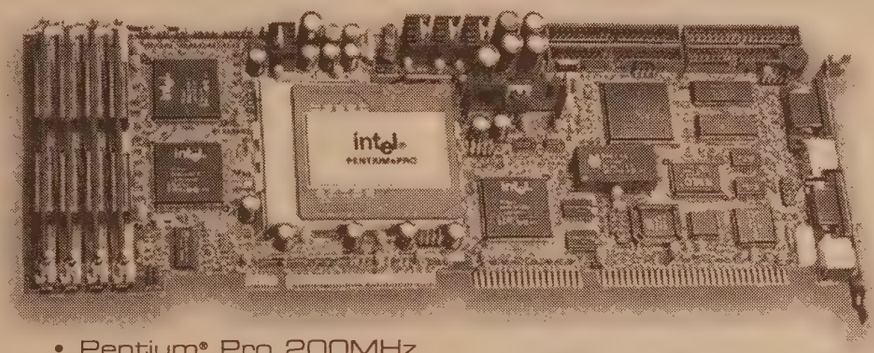
RACKMOUNT MONITOR ENCLOSURE
- 14"/15"/17" monitor enclosure
- Dust gasket between monitor screen and non-glaring front glass
- Easy access to controls

RACKMOUNT KEYBOARD
- Keyboard w/mouse holder
- Keyboard w/trackball

WALLMOUNT ENCLOSURE
- 6, 8 Slot wallmount enclosure

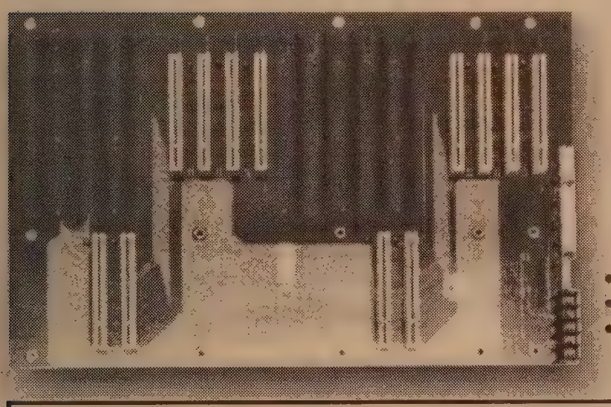
NEMA 4/12 WORKSTATION
- 14"/15" CRT or 10" TFT display touch-Ssreen panel (optional)

RACKMOUNT CABINET
- 40" to 77" w/wide range of accessories



- Pentium® Pro 200MHz
- 8MB to 256MB Fast Page Mode, EDO or BEDO
- AMI or AWARD PCI BIOS w/plug and Play
- Intel 82371SB (PIIX3), 82441FX, 8244FX Chipset
- Support Pentium® Pro processors up to 66MHz
- Dual Bus Master PCI Enhance IDE
- ATI 264VT 64-bit 2MB video on the board
- FCC Class A, CE Class A approved

From 486 to Dual Pentium® SBC



- 3-20 slots (ISA, ISA/PCI)
- Segmented backplane available
- PCI-PCI bridge chip support for 6 PCI PCIMG backplane

Catalog OnLine!
http://www.jktechnology.com
E-mail:PaulKK@ix.netcom.com
800-499-2518

J&K TECHNOLOGY

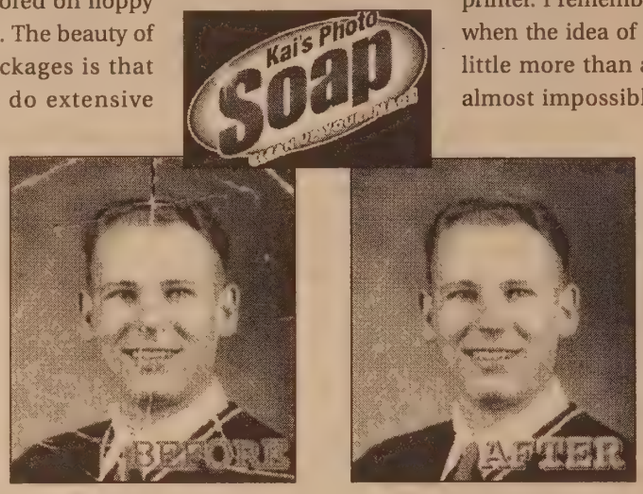
Tel (510) 226-9484
Fax (510) 226-9482

43224 Christy Street
Fremont, CA 94538

MON - FRI 8AM - 6PM

the camera as another disk drive from which you can transfer files.

Once you have the image on your computer, there are a number of very inexpensive software packages that let you organize your photos into collections arranged any way you like. These files can then be stored on floppy disks or hard drives. The beauty of these software packages is that they allow you to do extensive editing. Each software package I see runs circles around the pervious products on the market.

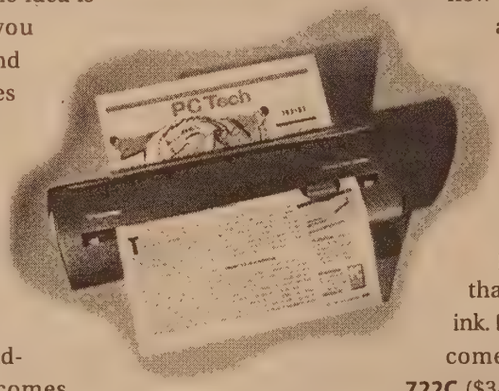


Today, the most impressive package is **Kai's Photo Soap** ($49.95; 1-800-472-9025). That's right, you didn't misread. The idea is that this package will let you clean up your old photos and really manipulate the images any way you wish. You can change colors, eliminate red eye, repair tears and do just about anything else you might wish. Poorly exposed photos can be enhanced. And I was able to do most of the jobs without ever reading the slim manual that comes with the package. The package is available for either Windows 95 or Mac. For a Windows machine, you will need a CD-ROM drive, 20MB of hard disk space and a Pentium processor.

While I'm not particularly keen on the digital cameras that are within my budget, I think scanners are the single most important accessory you can buy after you have a basic computer system. The scanner that I particularly like these days is Visioneer's new **PaperPort Strobe** ($299; 800-787-7007). This scanner does lots more than scan in photos. It will bring any kind of document into your computer and then let you file these images in any number of file folders that you create. For me, it is easy to find documents that previously stayed on my desk (as I could not find a convenient way to file them). What's more, any of these documents can then be dragged with the mouse to any of the applications in which you might wish to use them.

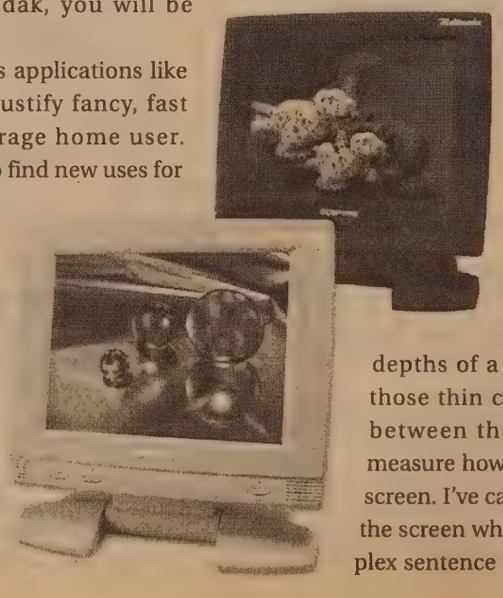
For me, bringing documents into my word processor, into my printer and into my fax software are the most useful links. I am now, however, beginning to scan in photos and then drag them to the link with Kai's Photo Soap.

The final link in the photography chain is the printer. I remember not too long ago when the idea of a color printer was little more than a dream. Now it is almost impossible to buy an inkjet printer that does not print in color. Although color printers have been around for quite some time, color printers that really have the quality necessary for good photography are just now becoming widely available. A generation back, you had to have special ink cartridges for photo quality and change this cartridge back to a black cartridge when you were printing documents that used primarily black ink. **Hewlett-Packard** has just come out with the **DeskJet 722C** ($349; 800-752-0900). One of the things about this printer is that respectable color prints can be made on standard copier paper. If you use the special photographic paper HP developed with Kodak, you will be astounded!



Aside from games, it is applications like photography that will justify fancy, fast computers for the average home user. While the industry tries to find new uses for these machines, there is lots of hyperbole. I don't really see us watching movies or television on our PC screens.

Copyright © 1997 by Ed Kahn. All rights reserved.



From top: Kai's Photo Soap from MetaTools; Visioneer's PaperPort Strobe scanner; Sceptre FT15 LCD monitors.

Herb Mendelsohn

No More Headaches! Much More Desk Space!

I've just finished a labor of love which involved long, long hours of staring at the screen. It is an animated screenplay, and a screenplay is often a labor of love because the chances of having it produced are less than the chances of winning the state lottery!

I spend as many as ten hours a day writing, rewriting, and polishing up words. It used to be that after maybe four hours my eyes would be sore; I would have a headache; the letters on the monitor would be out of focus; and I'd needed a long break from the torture-chamber of my work station.

That was before I tried the sleek **Sceptre FT15 monitor** (*www.sceptretech.com*, 800-788-2878). Now I realize that it was not the machinations of the hero/antagonist conflict making my eyes bug-out, it was my 15" CRT monitor!

All CRT monitors emit magnetic and electrical radiation. Remember when our mothers warned us that watching too much color TV would cause cancer? And when your father would yell at you for being too close to the TV? Well, the monitor industry has tried to lower the radiation emitted, but you are still warned to stay more then 19" away from your monitor.

The Swedish National Board for Measurements and Testing and the Swedish Confederation of Professional Employees seem to be the authorities here. Their latest standards for electrical radiation are TCO certification. These measure the radiation CRT monitors emit in a 50cm circumference around the monitor. MPR2 certification also came from the Swedish organizations which advise that we all stay at least 30cm from the front and 50cm from the back of CRT monitors.

I don't know about you, but I often find myself well within what might be called the "*CRT Danger Zone.*" Next time you are peering into the depths of a Web page trying to read those thin columns of small font in-between those large billboard ads, measure how close you just were to the screen. I've caught myself about 9" from the screen when I'm battling some complex sentence structure and being show-

A Place to Comfortably Buy a Custom System Direct from a Silicon Valley Source.

GRAND OPENING in SAN JOSE

Custom-Built Quality Systems

Best Customer Service

GRAND OPENING SPECIALS

MINI TOWER CASE
250W POWER SUPPLY
$22

SMART 100X IDE CD-ROM
$89
YES! 100 TIMES FASTER

104 WINDOWS 95 KEYBOARD
$9

CUSTOM DREAM SYSTEM

DESIGN YOUR OWN CUSTOM SYSTEM OR LET US WORK WITH YOU TO BUILD A PROFESSIONALLY CRAFTED AND TUNED SYSTEM FOR YOU.

GIVE US A CALL FOR A FAST QUOTE!

VALUE SYSTEM

- Mini-Tower Case w/250W PS
- Intel Triton 430VX 75-200MHz M/B
- 512K L2 Pipeline Burst Cache
- AMD K5-90MHz CPU
- Ball Bearing CPU Fan & Heatsink
- 8MB EDO RAM, 60ns Memory
- TEAC 1.44MB Floppy Drive
- 1.2GB EIDE Hard Drive
- 1MB PCI SVGA w/MPEG
- 104 Enhanced Keyboard
- Serial Mouse
- 14" SVGA Monitor, .28, NI

$499

AMD K5-100MHz $519
AMD K5-133MHz $539
AMD K5-166MHz $549

VALUE MULTIMEDIA SYSTEM

- Mini-Tower Case w/250W PS
- Intel Triton 430VX 75-200MHz M/B
- 512K L2 Pipeline Burst Cache
- AMD K5-90MHz CPU
- Ball Bearing CPU Fan & Heatsink
- 16MB EDO RAM, 60ns Memory
- TEAC 1.44MB Floppy Drive
- 1.2GB EIDE Hard Drive
- 2MB PCI SVGA w/MPEG
- 6X IDE CD-ROM
- 16-Bit 3D Sound Card
- Deluxe Speakers
- 104 Enhanced Keyboard
- Serial Mouse
- 14" SVGA Monitor, .28, NI

$599

AMD K5-100MHz $619
AMD K5-133MHz $639
AMD K5-166MHz $649

HOME MULTIMEDIA SYSTEM

- Mini-Tower Case w/250W PS
- Intel Triton 430TX 75-233MHz M/B
- 512K L2 Pipeline Burst Cache
- Intel P-100MHz CPU
- Ball Bearing CPU Fan & Heatsink
- 32MB EDO RAM, 60ns Memory
- TEAC 1.44MB Floppy Drive
- 2.1GB EIDE Hard Drive
- S3 Virge 3D 4MB Video
- 16X IDE CD-ROM
- Sound Blaster 16 PNP
- 33.6 Fax/Modem/Voice
- 60 Watt Amplified Speakers
- Mitsumi 104 Keyboard
- Mitsumi Serial Mouse
- 15" SVGA Monitor, .28

$879

P-133MHz $899
P-166MHz $939
P-200MHz $989
P-166MHz MMX. $969
P-200MHz MMX. $1079
P-233MHz MMX $1169
AMD K6-166MHz $929
AMD K6-200MHz $999
AMD K6-233MHz $1189

PERFORMANCE MULTIMEDIA SYSTEM

- Mid-Tower Case w/250W PS
- ASUS P55 T2P4 Triton HX 75-233MHz M/B
- 512K L2 Pipeline Burst Cache
- Intel P-100MHz CPU
- Ball Bearing CPU Fan & Heatsink
- 32MB EDO RAM, 60ns Memory
- TEAC 1.44MB Floppy Drive
- 2.1GB EIDE Hard Drive
- Diamond S3 Virge 3D 2000 2MB Video
- 16X IDE CD-ROM
- Sound Blaster 16 PnP
- Diamond Supra 33.6 Fax/Modem/Voice
- 60 Watt Amplified Speakers
- Mitsumi 104 Keyboard
- Mitsumi Serial Mouse
- 15" SVGA Monitor, .28

$949

P-133MHz $969
P-166MHz $999
P-200MHz $1049
P-166MHz MMX $1029
P-200MHz MMX $1139
P-233MHz MMX $1229
AMD K6-166MHz $999
AMD K6-200MHz $1069
AMD K6-233MHz $1249

PROFESSIONAL MULTIMEDIA SYSTEM

- Mid-Tower ATX w/250W PS
- ASUS TX97 XE Triton TX 75-233MHz M/B
- 512K L2 Pipeline Burst Cache
- Intel P-166 MMX CPU
- Ball Bearing CPU Fan & Heatsink
- 32MB SDRAM 10ns Memory
- TEAC 1.44MB Floppy Drive
- 3.1GB EIDE Hard Drive
- Diamond Fire GL 1000 Pro 4MB SGRAM
- 24X IDE CD-ROM
- Sound Blaster 64 AWE
- Diamond Supra 56.6K Fax/Modem/Voice
- 180 Watt Amplified Speakers
- Keytronics 104 Keyboard
- Logitech PS/2 Mouse
- 15" SVGA Monitor, .28

$1329

P-200MHz MMX $1439
P-233MHz MMX $1529
AMD K6-166MHz. $1309
AMD K6-200MHz. $1379
AMD K6-233MHz. $1559

PENTIUM® II POWER SYSTEM

Full-Tower ATX w/300W PS
ASUS P2 L97 440LX Motherboard
Intel Pentium® II 233MHz CPU
Ball Bearing CPU Fans & Heatsink
32MB SDRAM Memory
TEAC 1.44MB Floppy Drive
4GB Ultra DMA Hard Drive
Asus 3D Explorer 3000 4MB AGP
24X IDE CD-ROM
Sound Blaster 64 AWE
Diamond Supra 56.6K Fax/Modem/Voice
180 Watt Amplified Speakers
Keytronics 104 Keyboard
Logitech PS/2 Mouse
17" SVGA Monitor, .26

$1989

INTEL P-II 266MHz. $2079
INTEL P-II 300MHz. $2299

PENTIUM® II POWER SCSI SYSTEM

Full-Tower ATX w/300W PS
ASUS P2 L97-S 440LX Motherboard
On Board Ultra-Wide SCSI Controller
Intel Pentium® II 233MHz CPU
Ball Bearing CPU Fan & Heatsink
64MB SDRAM Memory
TEAC 1.44MB Floppy Drive
4.3GB Ultra-Wide SCSI Hard Drive
Asus 3D Explorer 3000 4MB AGP
12X SCSI CD-ROM
Sound Blaster 64 AWE
US Robotics 56.6K Fax/Modem
180 Watt Speakers
Keytronics 104 Keyboard
Logitech PS/2 Mouse
17" SVGA Monitor, .26

$2439

INTEL P-II 266MHz. $2529
INTEL P-II 300MHz. $2759

CONSIDER THESE UPGRADES

- Operating System – DOS/Windows 3.1, Windows 95, Windows NT
- Bundle Softwares – Office 97, Family Business, Games, Educations
- 19" or Larger Monitors
- OST LS-120 120MB Floppy Drive
- Zip/Jazz Drives
- Tape Backup
- 56.6K X2 or Flex
- SCSI Option
- Network Card/Hub/Accessories
- Video Capture & Conferencing
- Quiet & Extra Cool Cases
- Internet Hook-Up

OTHER SERVICES

- System Diagnostics & Repair
- Upgrades
- Hardware & Software Installations
- Laser Printer & Monitor Repair Service

CREATIVE · SONY · ASUS · HEWLETT PACKARD · Seagate · matrox · ViewSonic · Quantum · Microsoft WindowsNT · intel · Cyrix · FUJITSU · 3Com · MAG INNOVISION · US Robotics · Designed for Microsoft Windows 95 · WESTERN DIGITAL · DIAMOND · AMD · adaptec

Open Late:
Mon.-Fri. 10-8
Sat. 10-6
Sun. 10-4

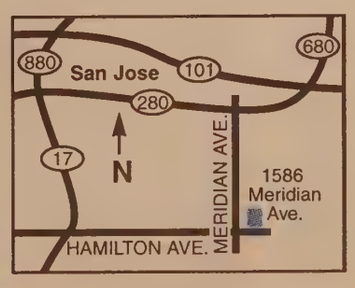
UPS & Fed Ex

DISCOVER · VISA · MasterCard · AMERICAN ATM

POs Welcome

MERIDIAN COMPUTER SYSTEMS

1586 Meridian Ave. • San Jose, CA 95125
Phone: 408-979-9084 • Fax: 408-979-9086
http://www.mericomp.com • E-Mail info@mericomp.com



Not responsible for typographical errors. Prices and availability subject to change without notice. All other brands and trademarks are properties of their respective owners.

Herb Mendelsohn: "I've caught myself about 9" from the screen when I'm battling some complex sentence structure and being showered by radiation. The 15" LCD flat panel monitor emits no magnetic radiation, so all of a sudden I don't have to worry so much about color TV cancer!"

ered by radiation. The 15" LCD flat panel monitor emits no magnetic radiation, so all of a sudden I don't have to worry so much about color TV cancer!

Where do you put your CRT? Mine was on my desk to my left, taking up roughly one-sixth of all available surface space. My chiropractor loved it because of all the time I spent in his office as a result. Now the 2.5"-deep monitor sits straight in front of me, and I can look over it out the window, rather than into the ugly corner of my office as I did before.

The only negative consideration might be the flat screen's price of around $3,000. I think the health and productivity considerations make it well worth the money. The 15" Sceptre gives you a comparable viewing space to most 17" CRT monitors. I figure if I win the lottery I'll buy a Sceptre for Mary Eisenhart (hard-working editor of *MicroTimes*), and when my screenplay sells, I will have to remember to thank LCD flat panel technology at the Academy Awards!

Here are some stats:

Dimensions: 15.5" x 13" x 2.5" (7" detachable base)

Weight: 12.8 lbs. net, 7.5 lbs. net w/o base

Display: 14.5" diagonal screen (11.6" x 8.7" active display area)

Color: 262,144 colors (will support 16.7 million colors,) RGB vertical stripe

Resolution: 1024 x 768

Brightness: 200 nits. (candelas per square meter)

Response Time: 28ms (max)

Scanning Frequency: Horizontal 15-61KHz, Vertical 50-90Hz

Compatibility: VGA/SVGA/VESA/ZGA/NEX 98 Series/Macintosh

Uses 70% less electricity than CRT monitors, 70% less desk space than CRT monitors, and produces 100% less radiation than CRT monitors.

Copyright © 1997 by Herb Mendelsohn. All rights reserved.

Fabian Pascal

The Disappearing Support Act

You buy a product—hardware or software. You have questions or, worse, problems; it may not even work.

You need technical or customer support.

You look through the (usually skimpy) documentation and disk(s) for contacts. You may find one or more of the following: an Internet Web site; a "no-hold" for-pay support line; a regular support line.

Now, you do not feel you should pay to make a new product work. So what better place to get support than the Net? After all, they all said that "The Net will change support as we know it" and all that jazz, didn't they?

You go to the Web site, and you may or may not find a support email address. If you do and write to it, you're likely to get an instant response. That's only because it's an automated one, of two possible flavors: Type 1 dumps a long list of documents and links and asks you to sift through them to find what you need. If you don't, they may list a support line, usually for pay.

Type 2 acknowledges receipt of your message and promises to respond within a certain time, which they either do, or don't. If they do, they initiate a never-ending exchange which does not seem to ever get you a solution to your problem. Each reply is from a different person (who is only partially aware, at best, of what transpired before), takes several days to arrive, and frequently consists of irrelevant one-liners or questions (your answers to which will be ignored by the next guy).

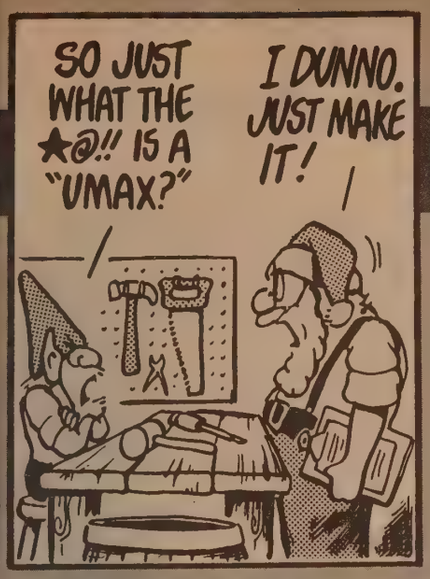
After a few rounds of this, frustration sets in and you are referred to—you guessed—the support line. You call the regular support line (somehow the online treatment does not inspire trust that their $2/minute line is really no-hold). After at least 10-15 minutes on hold, you explain the problem—yet again!—and your inability to resolve it online. Chances are you will be again asked for a long list of details, then told to try something out of their standard response list which, if it does not resolve the problem (it rarely does)—guess what!—forces you to call again!

After another 10-15 minutes on hold, you now demand to speak with a supervisor. They tell you that one is not available, or that it won't make any difference. If you insist, they may be willing to refer your case to one, who will supposedly contact you. When this does not happen, you're stuck.

And I'm not talking fly-by-night vendors, mind you, but actually very reputable ones. In my experience, **Netscape** acknowledges receipt of messages sent to their bug-report email address, promises to respond, but never does. **Matrox Graphics**, if it responds, usually does so after several days (what if you're down?) but not always; and when they do, you'll be, at best, in a Type 2 process. **Practical Peripherals** (now owned by **Hayes**) uses a Type 2 process. When I sent in my 28,800 modem for an upgrade to a 56K one for $104, the new modem took two months to arrive and it did not work. I sent numerous email messages, made six costly phone calls ($44, for a product that costs $150), wrote three letters to the CEO. To date I have not received a response. After I instructed my credit card company to reverse the charge, they finally—after four months—picked up the modem at their expense and I am still trying to get my old modem and $44 back.

I then purchased a **U.S. Robotics** modem (now owned by **3Com**). I had several questions and a problem, which I emailed. This got me into another Type 2 process. In fact, not only messages, but even faxes get automated replies. I called the regular support line, spent about $7 and got no solution. By then the 14 days speci-

Fabian Pascal: "Instead of exploiting the Net for improving support, vendors use it to practically insulate themselves from responsibility."

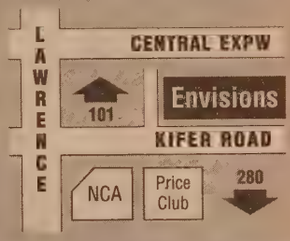


Get what you want this Christmas...

Order a scanner from Envisions!

Yes, Virginia, there is no Scanta Claus. If you want a reliable, easy-to-use scanner this Christmas, you need to talk to the scanner specialists at Envisions. We'll help you decide which model is right for you, and we'll pack it up faster than Blitzen. (We also offer gift certificates, if you're an elf who's buying for someone else.) Stop by for a scanner demonstration today, and we'll help make sure it's a merry Christmas!

Envisions offers a no-risk, 30-day guarantee on all of our scanners. If you don't like it, or you see it for less later on, just call us and we'll take care of everything. All of our scanners also come with all of the cables and software you need to get started, and toll-free technical support in case you can't. We've sold more than 150,000 scanners since 1989 because we're dedicated to giving you scan-tastic service. Visit the Envisions Scanner Outlet today!



ASTRA 610

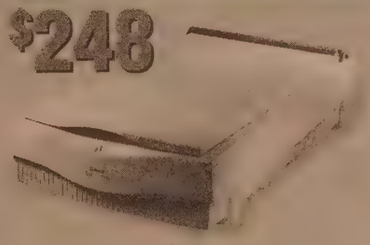
Affordable photo fun for your home computer

For basic image and text scanning at home or at work, the Umax Astra 610 delivers solid performance at a no-nonsense price. With 300dpi optical resolution, it captures enough image data for web pages and desktop color printers, and it's 30-bit color depth surpasses most monitors!

Choose from two configurations: the easy-to-install 610P, which connects to your printer port (PCs only), or the faster 610S, which requires a SCSI connection (included for PCs, built into Macintosh systems). Both include Adobe PhotoDeluxe and Presto! PageManager OCR.

Umax Astra 610P Color Scanner $128
Umax Astra 610S Color Scanner $148

ASTRA 1200



600dpi scanning power for office work & publishing

Scanning images for high-resolution (720+ dpi) printers requires a high-resolution scanner like the Umax Astra 1200, our best-selling color scanner. The 1200 has an optical resolution of 600dpi, and the same high-quality optics that made Umax the 1997 Editors' Choice at both *PC Magazine* and *Macworld*.

The 1200 is the next generation of the Vista S12, which the editors of *PC Magazine* called an "unparalleled combination of value and performance." The Astra 1200 features high-definition 30-bit color and comes with Adobe PhotoDeluxe, Presto! PageManager OCR, and a SCSI card for connecting the scanner to PC systems.

Umax Astra 1200S Color Scanner $248

ASTRA 1200 PRO

The power of Photoshop at an unbelievable price

Ask today's top designers what they use to edit photographs and create complex images, and their universal response will be Adobe Photoshop. Now in its fourth version, Photoshop delivers the kind of graphics power that makes it a professional tool.

Now, through a special arrangement between Umax and Adobe, you can order an Astra 1200 and the latest version of Photoshop together at an unbelievably low price. The Photoshop software bundled with the Astra 1200 Professional is the same you would find at a retail store; the only difference is that the manuals are on CD-ROM (printed manuals available from Adobe for $35).

Umax Astra 1200S Color Scanner $498

POWERLOOK 2

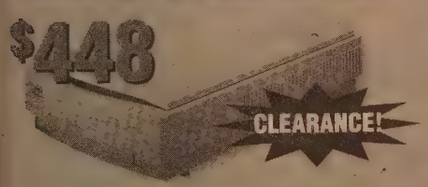
Professional-quality color for pre-press & production

Scanners are like cameras — you can get good results from the affordable models, but for the best possible images you have to spend a bit extra. At $1298, the Umax PowerLook 2 isn't cheap, but with its high-quality tri-linear CCD optics, it offers great value to those looking for outstanding results.

When *Windows Magazine* reviewed the PowerLook 2, it said "'gorgeous' is an understatement. Shadows and deep tones all come through and the sharpest details are rendered accurately both in monochrome and color." No wonder *PC Computing* named it "the best of the 36-bit scanners." The PL2 comes with Photoshop 4.0, PhotoPerfect, transparency adapter, and SCSI-2 adapter.

Umax PowerLook 2 Color Scanner $1298

GEMINI D16

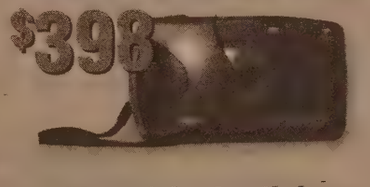


Unique dual-lens flatbed color scanning system

Looking for a great deal on a clearance scanner? When the Gemini D16 was new in 1995, it sold for close to $2000. Now it's available for less than $500, and its specs still beat the competition: 800dpi optical resolution, 30-bit color, and a high-speed cache. With its unique dual-lens optics, the D16 was ahead of its time. Now it can be yours for next to nothing — while they last!

Umax Gemini D16 Color Scanner $448

MDX 8000



The quickest path from photograph to file

When you can't wait for film to be developed, reach for the new Umax MDX-8000 digital camera. With 1000 x 800 resolution and 30-bit color, the MDX-8000 is the perfect way to add high-quality graphics to web sites and multimedia projects. Includes batteries, adapter, electronic flash, self-timer, and Adobe PhotoDeluxe.

Umax MDX-8000 Digital Camera $398
Umax MDX-8000 2Mb Memory Module $78

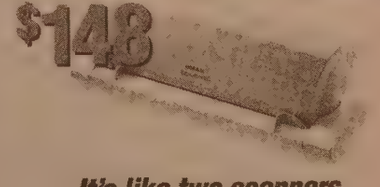
SPRINTSCAN 35

An affordable way to scan slides professionally

When scanning slides, no flatbed can match the performance of a slide scanner that focuses all of its optical resolution on a 35mm area. For serious slide scanning, we offer the Polaroid SprintScan 35/LE (1950dpi, 3.0 dynamic range) and the SprintScan 35 Plus (2700dpi, range of 3.4, and built-in DSP for fast image correction).

Polaroid SprintScan 35/LE $798
Polaroid SprintScan 35 Plus $1898

PAGE OFFICE IIC



It's like two scanners for the price of one!

The Umax PageOffice IIc combines the best features of a sheetfed scanner with the flexibility of a handscanner. Feed pages through one at a time using the motorized base unit, or detach the top unit to scan books and other 3D objects. Full 24-bit color, 300dpi scanning in a 3 pound package! Takes up just 4.5" x 14" of desk space, and plugs into your parallel port for easy setup.

Umax PageOffice IIc Color Scanner $148

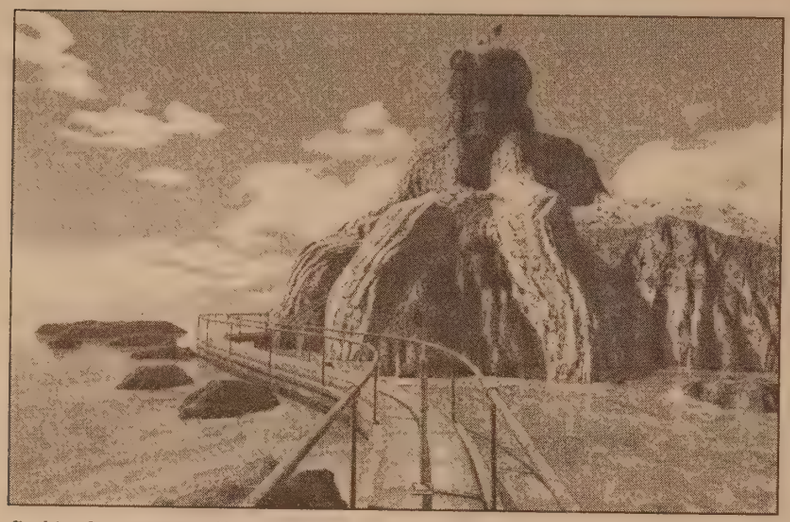
FOR SAMPLES, SPECS & SPECIALS, VISIT OUR WORLDWIDE WEB SITE AT WWW.ENVISIONS.COM

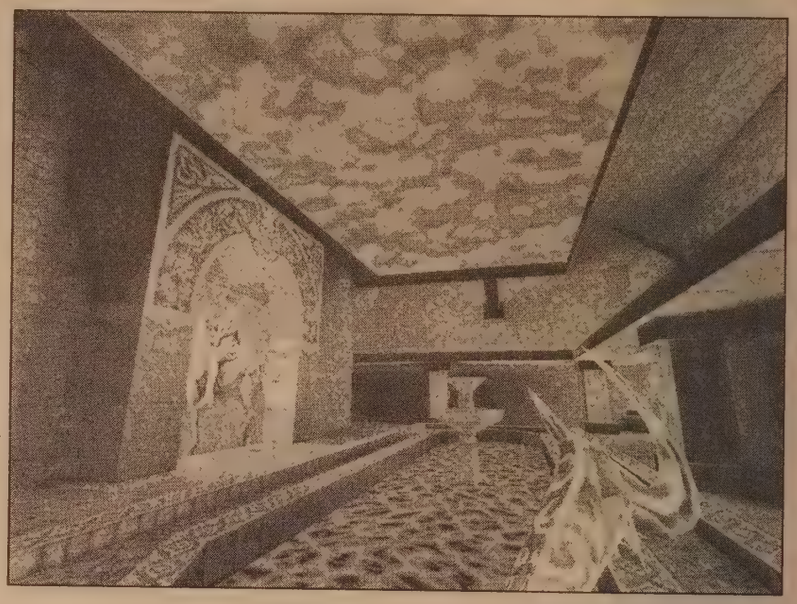
envisions
3485 Kifer Road, Santa Clara, CA 95051
Direct 408/735-0200 • Fax 408/735-0222

Scanner Experts Ready to Answer Your Questions, Seven Days a Week!

800/365-SCAN
7226

THE FINE PRINT Moneyback guarantee does not include freight charges, and price guarantee applies to identical, in-stock products advertised in Microtimes. All returns must be authorized by Envisions, and must be in as-new condition. Products & prices subject to change without notice or remedy; not responsible for any errors in advertisement. © 1997 Envisions Solutions Technology, Inc. All rights reserved and trademarks acknowledged.





Left: the "prison pathway" from *Riven* by RedOrb; right: *Hexen 2* from Activision.

fied in the return policy of the store had expired. I wrote a letter and received a unsigned standard form stating as follows: "We are confident many of our customers will find a quick solution to their problem by utilizing the reference materials packaged with your product. If you still have questions after consulting your Quick Installation and Troubleshooting manual and would like to (you guessed it) speak to someone over the phone, you can reach Customer Support at (847)982-5151." Their electronic modem updating capability does not seem to work, but there is no way to let them know, except—yes—via a costly call.

Most galling about all this is that even when they do respond, vendors ignore any explicit indication that everything suggested was already tried—including toll calls—to no avail. They keep spitting those standard replies, be they in automated or human form.

The Net, like all media, is neutral; it can be used for good or bad purposes. Instead of exploiting it for improving support, vendors use it to practically insulate themselves from responsibility. The time, effort and costs of problems caused by faulty products, or weak documentation are shifted to the customer. Basically, vendors want to profit from selling you products, but don't want to incur the cost of making them work for you.

Copyright © 1997 by Fabian Pascal. All rights reserved.

Jim Pedicord

Overall I would have to rate 1997's computer entertainment as a whole as very underwhelming. Software seems to be in the "been-there-done-that" frame of mind, with very little real ingenuity or uniqueness in the vast majority of projects. Developers and publishers seem to be on the clone bandwagon, spitting out endless imitations of proven winners such as ***Myst***, ***DOOM*** or ***Command & Conquer***. Surprisingly the only real breakthrough this year comes in the hardware field where 3-D video cards have turned average CPU-rendered graphics into fast-paced, special effects-laden wonders.

I think a very big pat on the back goes to **3DFX** (*www.3dfx.com*), the graphics chip maker who started this wave of superior graphics, turning 3-D video cards into a necessity for today's computer games. Besides the incredible detail and extra effects these graphic cards bring you, they have the more important benefit of decreasing the amount of CPU usage needed to run high-performance graphics. Now video cards can pump out the superior graphics without reducing frame rate to a slide show, even on mid-range computers.

Jim Pedicord: "Overall I would have to rate 1997's computer entertainment as a whole as very underwhelming. Software seems to be in the "been-there-done-that" frame of mind, with very little real ingenuity or uniqueness in the vast majority of projects."

The **Sidewinder Pro Force Feedback** ($54.95, Microsoft, *www.microsoft.com* , 800-426-9400) is another piece of hardware that adds a new level to game play. Complete with internal motors, this well-crafted joystick gives actual tactile feedback when used with supported games. The firing of machine guns in a WWII P-51 actually vibrates the stick, while bumping into a wall in your favorite action game will jar your hand.

On the software side, while it's been a rather weak year, there has been a respectable group of top-notch games worth the time and price.

Comebacks were in order for computer role-playing games this year with ***Diablo*** ($54.95, Blizzard, *www.blizzard.com* , 800-953-7669), one of the top sellers in all computer entertainment. Though not a classic-style role-playing game (more of a RPG/Adventure hybrid) you do have the choice of characters and a large assortment of weapons and spells to work with. Taking place in the dank crypts and deep caverns below a cursed town, great graphics and sound

Corporate, Government & Educational P.O.s Welcome!

COMPUTER SUPER SALE!

PC Upgrades and Service Welcome!

2–Year Parts & Labor Warranty on All Computers

AMD Performer (Pack 1)

- ABIT AX5 Intel 430TX 512K Motherboard
- AMD K6 Processor w/ MMX Tech.
- 32MB EDO 10ns SDRAM 168 Pin
- 1.7GB IDE Hard Drive Seagate
- Diamond Stealth 3D-2000 2MB PCI
- ViewSonic 15" E665 1024x768 .28
- Teac 24X FAST IDE CD-ROM
- 16-Bit Stereo Sound Card
- 120W Multimedia Speakers
- 33.6K Fax/Modem
- 1.44 Teac Floppy
- Deluxe Medium ATX Case w/235 UL P.S.
- MS Windows 95 CD
- Mitsumi 2-Button Mouse
- Windows 95 Keyboard

AMD K6-166 . . . $1,139
AMD K6-200 . . . $1,199
AMD K6-233 . . . $1,329

Multimedia-PC (Pack 2)

- Intel Anchorage 430TX 512K Motherboard
- 32MB EDO 10ns SDRAM 168 Pin
- 4.1GB Fast EIDE Hard Drive W.D.
- Matrox Mystique 220 w/4MB SGRAM PCI
- Viewsonic G771 17" 1280x1024 .27 Monitor
- Toshiba 24X FAST IDE CD-ROM
- Built-in Yamaha OPL4 Wavetable Synthesizer
- Altec-Lansing Spk. w/Bass Sub-Woofer
- 33.6 USRobotics Int. Data/Voice/Modem
- 1.44 Teac Floppy
- Deluxe Medium ATX Case w/235 UL P.S.
- MS Windows 95 CD
- MS Ergonomic Mouse
- Windows 95 Keyboard
- Grolier's Encyclopedia 97

166MHz MMX $1,688
200MHz MMX $1,778
233MHz MMX $1,863

Multimedia-PC (Pack 3)

- Intel Lone Tree 430TX 512K Motherboard
- 64MB EDO 10ns SDRAM 168 Pin
- 6.4GB Ultra DMA Hard Drive Quantum
- Matrox Millennium II /4MB WRAM PCI
- Viewsonic 17PS 17" 1600x1280 .25 Monitor
- Toshiba 24X FAST IDE CD-ROM
- Sound Blaster AWE 64 Wavetable
- Altec-Lansing Spk. w/Bass Sub-Woofer
- 56K USRobotics Int. Data/Voice/Modem
- 1.44 Teac Floppy
- Deluxe Medium ATX Case w/235 UL P.S.
- MS Windows 95 CD
- MS Ergonomic Mouse
- Windows 95 Keyboard
- Grolier 's Encyclopedia 97

166MHz MMX $2,117
200MHz MMX $2,199
233MHz MMX $2,299

Intel Pentium® II Series (Pack 4)

- Intel AL440LX Pentium® II w/2 USB
- 512K Pipeline Burst Cache, Flash Bios
- 64MB EDO 10ns SDRAM 168 Pin
- 6.4GB Ultra DMA Hard Drive Quantum
- Matrox Millennium II /4MB WRAM PCI
- Sony 200SF 17" 1280x1024 .25 Monitor
- Toshiba 24X Fast IDE CD-ROM
- Built-in Yamaha OPL4 Wavetable Synthesizer
- Altec-Lansing Spk. w/Bass Sub-Woofer
- 56K USRobotics Int. Data/Voice/Modem
- 1.44 Teac Floppy
- Deluxe Medium ATX Case w/235 UL P.S.
- MS Windows 95 CD
- MS Ergonomic Mouse
- Windows 95 Keyboard

233MHz $2,399
266MHz $2,529
300MHz $2,737

Intel Pentium® II-SCSI (Pack 5)

- Intel AL440LX Pentium® II w/2 USB
- 512K Pipeline Burst Cache, Flash Bios
- 64MB EDO 10ns SDRAM 168 Pin
- 4.3GB UW SCSI Hard Drive IBM
- Adaptec 2940UW SCSI-2 PCI
- Matrox Millennium II /4MB WRAM PCI
- Sony 200SF 1280x1024 .25 Monitor
- Toshiba 15X Fast SCSI CD-ROM
- Sound Blaster AWE 64 Wavetable
- Altec-Lansing Spk. w/Bass Sub-Woofer
- 56K USRobotics Int. Data/Voice/Modem
- 1.44 Teac Floppy
- Deluxe Medium ATX Case w/235 UL P.S.
- MS Windows 95 CD
- MS Ergonomic Mouse
- Windows 95 Keyboard

233MHz $2,729
266MHz $2,848
300MHz $3,058

COMPONENT SUPER SALE!

MEMORY

8MB (EDO) 72 Pin	$28
16MB / 32MB (EDO) 72 Pin	$47/83
32MB SDRAM EDO 168 Pin 10ns	$105
64MB SDRAM EDO 168 Pin 10ns	$209
64MB DIMM 168 Pin	$199

CPUs

Intel P5-150 / 166MHz	$99 / 145
Intel P5-200MHz	$199
Intel P5-166 / 200MHz MMX	$129 / 219
Intel 233 Mhz MMX	$289
Pentium® II 233 MMX MHz	$419
Pentium® II 266 MMX MHz	$535
Pentium® II 300 MMX MHz	$748
AMD K6 MMX-166 / 200MHz	$129 /185
AMD K6 MMX 233MHz	$315
Cyrix M2-200 / 233MHz MMX	$185/315

MOTHERBOARDS

Intel Anchorage, Intel 430TX w/Sound, 512K	$168
Intel Lonetree, Intel 430TX 512K USB, Ult. DMA	$162
Intel Tucson, Intel 430HX, w/sound, 512K USB	$165
Intel Portland PD440FX Pentium® II w/Sound Box	$199
ASUS P2L97 P-II Intel 440LX, AGP & DIB	$189
Intel Atlanta AL440LX Pentium® II w/Sound Box	$209
Intel Atlanta AL440LX Pentium® II w/o Sound Box	$195
Abit AX5, Intel 430TX, 512K Jumperless	$109

HARD DRIVES

1.2 / 1.7GB Fujitsu IDE	$125 /138
2.5GB Fujitsu IDE	$165
3.5 / 5.2GB Fujitsu IDE	$189/295
1.6GB W.D. WDAC21600 IDE Mode 4	$149
3.2GB W.D. WDAC33200 IDE Ultra DMA	$199
4.3GB W.D. WDAC34300 IDE Ultra DMA	$235
6.4GB Quantum IDE Ultra DMA	$325
4.3GB Quantum IDE Ultra DMA	$235
5.1GB Maxtor Diamond Max IDE	$277
1.7GB Seagate Medalist IDE	$119
6.4GB Seagate Medalist Pro, IDE	$319
6.4GB IBM Ultra IDE	$329
2.1GB Quantum Ultra SCSI	$219
4.3GB IBM UW SCSI, 512K,	$335
4.3GB IBM U SCSI, 512K,	$325
4.3GB Seagate Barr. UW SCSI 512K, 7200RPM	$595
9.GB Seagate Barr. UW SCSI 512K, 7200RPM	$895
4.5GB Seagate Cheetah UW SCSI 512K, 10K RPM	$659
9.GB Seagate Cheetah UW SCSI 512K, 10K RPM	$1029

CD-ROM MULTIMEDIA

Toshiba XM-5701 12X SCSI	$103
Toshiba XM-6102 24X IDE	$85
Teac-524 24X IDE	$79
Panasonic 585 24X IDE	$79
Sound Blaster 16 IDE PnP	$48
Sound Blaster AWE 64 - PnP Value (Bulk)	$79
Sound Blaster AWE 64 - Gold PnP	$169
Yamaha Speaker 10W (YST-M15)	$65
Yamaha Speaker 45W Subwoofer System	$155
Altec Lansing ACS45 with Subwoofer	$75
HP CD-Rewritable 7110i (R-6x, W-2x)	$399
Sony CD-Writer 926s (R-6x, W-2x)	$289
Sony CD-Writer 928e (R-8x, W-2x)	$309
Yamaha CD-Writer 400T (R-6x, W-4x)	$425
Yamaha CD-REWRITABLE (R-6x, W-4x)	$525
Ricoh CD-Rewritable (R-6x, W-2x)	$469
Toshiba DVD Kit	$329

FAX/MODEMS

US Robotics 56K (X2) Int./ Ext.	$165/179
US Robotics 33.6 Voice & Spk. Phone Int.	$89
US Robotics Big Picture Video kit w/Camera (After $50 mail-in rebate)	$275
US Robotics Video w/Camera	$215
Supra Express 56.K Voicemail Int.	$99

PRINTERS–EPSON

Stylus Color 400 InkJet 720x720	$189
Stylus Color 600 InkJet 1440x720	$245
Stylus Color 800 InkJet 1440x720	$355
Stylus Photo InkJet	$415
Stylus Color 1520 Ink Jet 1440, up to 17" x 22"	$735
Stylus Color 3000 InkJet 1440 7ppm Color, up to 17"x22"	$1679

MONITORS

Sony 17" SF200 .25 1280x1024	$629
Sony 15" SF100 .25 1280x1024	$349
ViewSonic E655 15" .28 1024x768	$267
ViewSonic 15GS .27 1280x1024	$297
ViewSonic G771 .27 1280x1024	$497
ViewSonic 17PS .25 1600x1280	$595
ViewSonic GT775 .25 1600x1280	$599
ViewSonic PT775 .25 1600x1280	$645
ViewSonic P810 21" .25 1600x1280	$1195
ViewSonic P815 21" .25 1800x1440	$1325
NEC A700 17" .28 1280x1024	$519

VIDEO CARDS

Matrox Millennium II 4MB WRAM PCI	$175
Matrox Millennium II 8MB WRAM PCI	$254
Matrox Mystique 220 4MB SGRAM PCI	$119
Matrox Rainbow Runner	$179
Matrox TV Tuner	$75
Millinium II Upg. 8MB	$187
Millinium II Upg. 12MB	$267
Diamond Stealth 3D 2000 2MB DRAM PCI	$54
Diamond Viper V330 4MB	$165
Diamond Fire GL1000 Pro 4MB	$195
Diamond Monster 3D PCI 4MB	$148
#9 Imagine 128 S2E PCI 4MB	$109
#9 Revolution 3D 4MB WRAM AGP	$259
#9 Revolution 3D 8MB WRAM AGP	$349
Miro Video DC30+ PCI NTSC Capture/Output	$789
Miro Video DC20+ PCI NTSC Capture/Output	$489

MEGA/TAPE DRIVES

Jaz Drive 1GB SCSI w/Disk Int.	$275
Jaz Drive 1GB SCSI w/Disk Ext.	$369
Zip Drive 100MB w/Disk Int. SCSI	$125
Zip Drive 100MB ATAPI w/Disk Int. IDE	$109
HP T3000 3.2GB Travan Int.	$162
HP C1536 DAT 4GB SCSI Int.	$545
HP C1599 DAT 8GB SCSI Int.	$725

CONTROLLER CARDS

Adaptec 1520 SCSI-2	$65
Adaptec 2940U PCI SCSI-2	$169
Adaptec 2940UW PCI SCSI-2	$189
Diamond Fireport 40UW PCI SCSI-2	$145
Jaz Jet SCSI Host Adapter for Jaz Drive PCI	$69

MISCELLANEOUS

US Robotics Pilot Personal PDA	$225
US Robotics Pilot Professional PDA	$309
Medium Case w/235UL ATX	$79
Intel EtherExpress Pro 10/100 PCI	$59
Teac 1.44 Floppy	$25
Superdisk LS-120 Drive	$115
MS Ergonomic Keyboard	$49
MS IntelliMouse PS/2 Mouse	$35
MS Ergonomic Mouse	$25
Windows 95 Keyboard	$17
Net Work Card PCI Combo	$29
Removable Rack (IDE/SCSI)	$18
Jaz SCSI Drive 1GB Cartridge	$89
Zip Drive 100MB Cartridge	$13
LS120 Disks	$15
Epson Action Scanning System II Scanner	$189
Kodak Digital Camera DC-120	$699
Sony Digital Camera Mavica MVC FD5	$699
Sony Digital Camera Mavica MVC FD7	$849
Sony Digital Camera DSC-F1	$499

CITYCOM

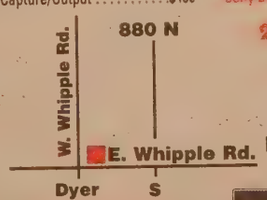
MOVING AHEAD ON THE CUTTING EDGE

www.city-com.com

(510) 475-2680

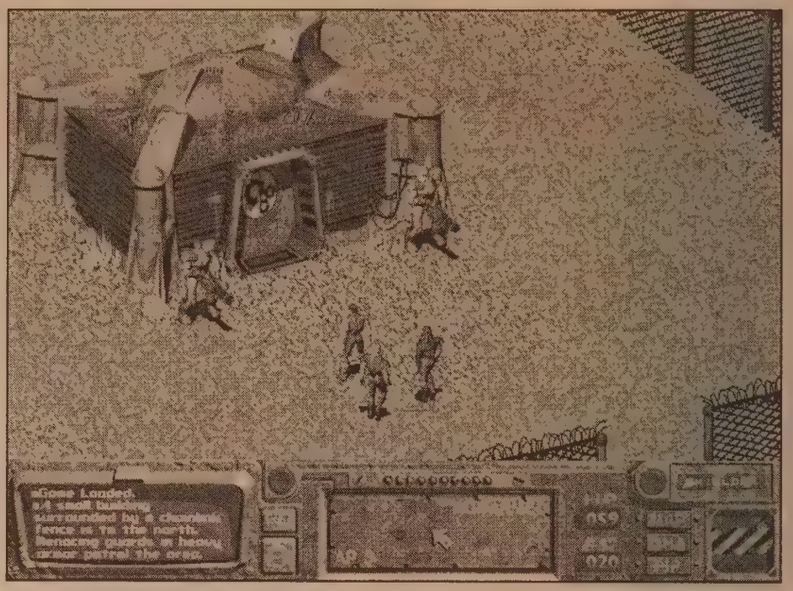
FAX: (510) 475-2683

1–year parts and labor warranty on all products. Prices subject to change without notice. Not responsible for typographical errors. Prices reflect cash discount. 15% restocking fee

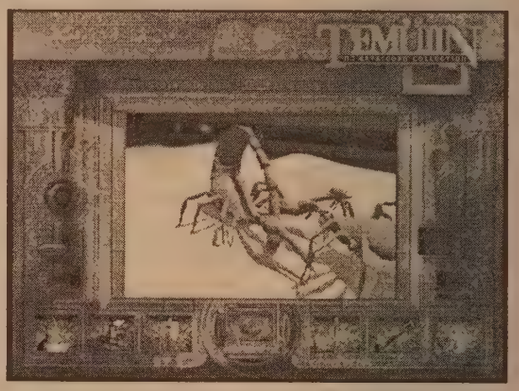


2849-B Whipple Rd., Union City
Located Inside
Whipple Business Center
Corporate, Government & Educational Orders WELCOME!
Hours: M-F 9-6/Sat 10-5

VISA MasterCard DISCOVER ATM



Clockwise from left: 3DFX Web site; the post-apocalyptic world of *Fallout* from Interplay; the supernatural thriller *Temujin* from Southpeak; the dank, cavernous environment of Blizzard's *Diablo*; a bellhop offers help in *Zork: Grand Inquisitor* from Activision.



effects make for a chilling and fun dungeon romp to rid the area of a great evil.

Fallout ($59.99, Interplay, *www.interplay.com* , 800-468-3775), on the other hand, fits more into the style of the classic role-playing game, complete with a wide assortment of statistics and varying characters you can create. With a story line of survival in a post-apocalyptic world, your character must pursue challenging quests and confront irradiated monsters, all rendered beautifully in this game. This title is a throwback to some of the glory days of role-playing years ago.

3-D graphics have had a huge effect on sports titles, with many coming out this summer and fall supporting them. ***NHL98*** ($49.95, Electronic Arts, *www.ea.com* , 800-245-4525) is absolutely gorgeous with a 3DFX card. From its crisp opening video sequences to actual likenesses of the players (including over 500 player facial portraits), you almost feel like you are on the ice. Game play is fast, fun and with a choice among all the NHL teams in all the arenas. In the world of golf, ***Jack Nicklaus 4*** ($49.95, Accolade, *www.accolade.com* , 800-245-7744) gives you picture-perfect golf courses, an easy-to-use interface, and a course designer editor. You can sit down for hours designing all sort of strange golf holes and then play them out.

While the *Myst* style of game continues to proliferate, few seem to match up to this most popular computer game of all time. However, this may soon change. ***Riven*** (Redorb, *www.redorb.com*), the sequel to *Myst*, is now available, and from what little time I had before this went to press I think this could be a worthwhile successor. Beautiful graphics and a haunting soundtrack set the atmosphere for this puzzle-based game set on the Isle of Riven.

Zork: Grand Inquisitor (Activision, *www.activision.com*) continues one of the oldest traditions in gaming. While it's a far departure from the early text-based gaming, Activision still manages to bring this game back to its roots with much of the dry humor and wit of the early classics, encasing it with modern graphics and full-motion video. Rather difficult, but fun, puzzles round out this package and bring back great memories of gaming long ago.

On the opposite end of the spectrum, Southpeak Interactive released ***Temujin*** (Southpeak, *www.southpeak.com* ; 800-774-6183), a full-motion video game shot in 35mm film. Set in a museum, this supernatural thriller immerses you an intriguing story line involving the evil artifacts on display from the tomb of Genghis Khan.

Real-time strategy games have exploded on the scene with over twenty already appearing this year. Sadly, there are still few that can compare to ***Command & Conquer: Red Alert*** ($49.99, Westwood, *www.westwood.com*). ***Total Annihilation*** ($49.95, Cavedog/GT Interactive, *www.cavedog.com*) does make a strong challenge, with great-looking graphics, a barrelfull of interesting units and some fun (and difficult) missions. Futuristic robotic units battle over land, air and sea with a background involving an ancient interstellar war.

Taking a different twist, ***Age of Empires*** ($54.95, Microsoft, *www.microsoft.com* , 800-426-9400) is an empire-building game with fantastic-looking unit animation and a wide variety of single and multiplayer scenarios. Using

continued on page 37

BEST BUY

30-bit
1 Billion Color

The Best Investment for your Business and Home PC

Now you can store Scanned documents and photos in your computer. Computerize your Photo Albums with 30-Bit True Color picture reproduction. Just in time for Christmas.

Imager 730

Enhance your Image

9600 dpi
Only
5.9 LBS

Plug-n-Play
No Interface Card Needed

Included Drivers
TWAIN
Windows NT
Windows 95
Windows 3.x

* Flatbed Color Scanner

* Small size footprint fits on any desk
* New Faster Scanning Speeds
* True Color Reproduction
* Improved Quieter Technology
* Easy Plug-n-Play with Parallel Port

Bundled Software

MGI PhotoSuite SE
for Image Editing. Easiest way to edit, capture, catalog and transform your photos

PaperCom Document Manager
Organizes your scans, Scans to file, to printer, to email, to Fax, to PhotoSuite or TextBridge

Xerox TextBridge
OCR document editor. Scans typed documents and turns them into computer documents for editing

COMMAX
TECHNOLOGIES, INC.

Interested Resellers Call 408-435-5000 or 800-5COMMAX

For questions visit our web site at http://www.theimager.com or email us at sales@theimager.com

FOR INFORMATION OR DEMO CALL

HIQ
Sunnyvale 408-245-5836
Sacramento 916-635-7842
Marin County 800-929-1893

CENTRAL COMPUTER
Santa Clara 408-248-5888
S.F. 415-495-5888

HI-TECH USA
Milpitas 408-262-8688
S.F. 415-753-6888
Berkeley 510-843-8688

LAITRON COMPUTER
888-LAITRON
S.J. 408-321-9488
Berkeley 510-647-1777
Pleasant Hill 510-796-7888

ASTG
Mtn. View 415-961-5991

CALL FOR DETAILS

HD COMPUTER — WE CUSTOM BUILD OUR SYSTEMS TO FIT YOUR COMPUTING NEEDS!

• Equipment is just representative of items sold.

Victoria WHITE - LX

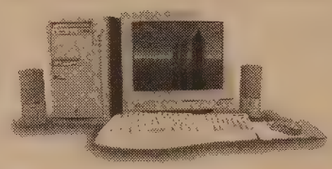
Windows NT Server

- Asus P2L97-S ATX MB w/AGP Set
- Intel LX Chipset
- Intel Pentium® II Processor w/512K Integrated L2 Cache
- 64MB SDRAM Exp. to 384MB
- Mid Tower ATX Case w/235w PS
- 1.44MB Floppy Disk Drive
- Built-In Adaptec 7880 Ultra SCSI Controller
- Seagate ST 34501N Cheetah 4.5 GB Ultra SCSI Hard Disk
- HP 1536 4.0GB SCSI Int Tape Drive
- S3 PCI SVGA w/2MB DRAM
- Toshiba 12X SCSI CD ROM Drive
- Victoria 3-Button Serial Mouse & Pad
- 104-Key PS/2 Keyboard
- MS Windows NT Server 4.0 (5 Licenses)
- 3Com 3C905 10/100 BT PCI Ethernet Card

Network Print Mate

(Monitor & Speakers not included)

300MHz..... $3299
266MHz..... $3095
233MHz..... $2959



• Equipment is just representative of items sold.

Victoria PLATINUM II - LX

with MMX™ Technology

- Intel Atlanta AL440LX ATX MB
- Intel LX Chipset /AGP set
- Intel Pentium® II Processer w/512K Integrated L2 Cache
- 64MB SDRAM Exp. to 384MB
- Mid Tower ATX Case w/235w PS
- 1.44 Floppy Disk Drive
- Western Digital 4.0GB EIDE HDD
- Asus AGP V3000 SVGA w/4MB
- US Robotics Sportster X2 56K Voice/Fax/Modem
- Toshiba 24X EIDE CD ROM
- Built-In Yamaha YMF715 16-Bit Audio
- Yamaha YST - M15 Stereo Speakers
- Victoria 3-Button Serial Mouse & Pad
- 104-Key PS/2 Enhanced Keyboard
- MS Windows 95
- NETCOM's NET Complete CD Internet Software Bundle

Lowest Price In Town

(Monitor not included)

300MHz..... $2329
266MHz..... $1949
233MHz..... $1849

• Equipment is just representative of items sold.

Victoria PLATINUM - TX

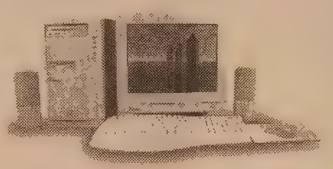
with MMX™ Technology

- Intel Anchorage AN440TX ATX MB
- Intel TX Chipset/512K Pipeline Cache
- Intel Pentium® Processor with MMX™ Technology
- 32MB SDRAM Exp. to 256MB
- Mid Tower ATX Case w/235w PS
- 1.44 Floppy Disk Drive
- Western Digital 3.1GB EIDE HDD
- Diamond Stealth 64 w/2MB VRAM
- US Robotics Sportster X2 56K Voice/Fax/Modem
- Toshiba 24X EIDE CD ROM
- Built-In Yamaha YMF715 16-Bit Audio
- Yamaha YST - M15 Stereo Speakers
- Victoria 3-Button Serial Mouse & Pad
- 104-Key PS/2 Enhanced Keyboard
- MS Windows 95
- NETCOM's NET Complete CD Internet Software Bundle

"Corporate Workhorse"

(Monitor not included)

MMX 233MHz..... $1439
MMX 200MHz..... $1339
MMX 166MHz..... $1239



• Equipment is just representative of items sold.

Victoria MAGENTA - TX

Windows Network Station

- Asus TXP4 AT MB
- Intel TX Chipset/512K Pipeline Cache
- Intel Pentium® Processor & CPU Fan
- 16MB EDO RAM Exp. to 256MB
- Mid Tower Case w/230w PS
- 1.44MB Floppy Disk Drive
- Western Digital 1.6GB EIDE Hard Disk
- S3 PCI SVGA Card w/1MB DRAM
- Toshiba 16X EIDE CD-ROM INT
- Victoria 3-Button Serial Mouse & Pad
- 104-Key PS/2 Keyboard
- MS Windows 95
- Danpex NE2000 Ethernet Card

Network Economy

(Monitor & Speakers not included)

166MHz..... $779

• Equipment is just representative of items sold.

Victoria GREEN - TX

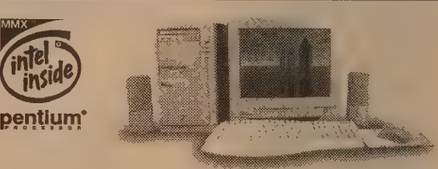
With MMX™ Technology

- Asus TXP4-X ATX MB
- Intel TX Chipset/512K Pipeline Cache
- Intel Pentium® Processor with MMX Technology
- 16MB EDO RAM Exp. to 256MB
- Mid-Tower ATX Case w/235w PS
- 1.44MB Floppy Disk Drive
- Western Digital 1.6GB EIDE Hard Disk
- Diamond Stealth 64 w/2MB DRAM
- US Robotics Sportster 56K X2 Fax/Modem
- Toshiba 16X EIDE CD-ROM INT
- Sound Blaster 16 PnP
- SP-935B 80w Stereo Speakers
- Victoria 3-Button Serial Mouse & Pad
- 104-Key PS/2 Enhanced Keyboard
- MS Windows 95
- NETCOM'S NET Complete CD Internet Software Bundle

Great "Starter" System

(Monitor not included)

MMX 166MHz..... $949



• Equipment is just representative of items sold.

Victoria RED - TX

with MMX™ Technology

- Intel Longtree ATX MB
- Intel TX Chipset/512K Pipeline Cache
- Intel Pentium® Processor with MMX™ Technology
- 32MB SDRAM Exp. to 256MB
- Mid Tower ATX Case w/235w PS
- 1.44MB Floppy Disk Drive
- Western Digital 2.1GB EIDE Hard Disk
- Diamond Stealth 64 w/2MB DRAM
- US Robotics Sportster 56K X2 Fax/Modem
- Toshiba 24X EIDE CD ROM
- Sound Blaster 16 PnP
- Yamaha YST - M7 Stereo Speakers
- Victoria 3-Button Serial Mouse & Pad
- 104-Key PS/2 Keyboard
- MS Windows 95
- NETCOM's NET Complete CD Internet Software Bundle

Internet and Multimedia Value

(Monitor not included)

MMX 233MHz..... $1299
MMX 200MHz..... $1199

Whether you require a single PC System now or more than 400 systems per month - the Victoria Series PC Systems are the systems used by more professionals than any other local brand. Choose from one of our pre-configured models, or call our Trained Professional Sales Consultants for pricing on your custom configuration.

HD COMPUTER

BUSINESS HOURS: MONDAY — FRIDAY, 9:00 A.M. — 6:00 P.M.

SANTA CLARA
Tel: (408)986-9898 / Fax: (408)986-9989
980 Walsh Ave., Santa Clara, CA 95050
EMAIL: hd@sc.hdcomputer.com

SAN FRANCISCO
Tel: (415) 434-8118 / Fax: (415) 434-8128
232 Montgomery St., San Francisco, CA 94104
EMAIL: hd@sf.hdcomputer.com

MON - FRI 9:00 A.M. - 6:00 P.M. / SAT 10:00A.M. - 6:00 P.M.

EL CERRITO
Tel: (510)528-0753 / Fax: (510) 528-0757
10005 San Pablo Ave., El Cerrito, CA 94530
EMAIL: hd@el.hdcomputer.com

FRESNO
Tel: (209) 446-0809 / Fax: (209) 446-0819
6481 North Blackstone Ave., Fresno, CA 93710
EMAIL: hd@fn.hdcomputer.com

HD COMPUTER WWW Shopping Mall: http://www.hdcomputer.com

HD COMPUTER — We Carry All the Name Brands to Fit Your Home, Office & Mobile Computing Needs!

•Microsoft Office Pro 97.....$199 (Only with System Purchase • Victoria 15" 1280 x 1024 Monitor...$234 • Victoria 17" 1280 x 1024 Monitor...$469

Available Now -
- New Lower Prices
- 90-Days Same As Cash
- Business Leasing Plans
- Extended Warranties
- On-Site Warranties

TOSHIBA
Authorized Reseller

Satellite 220 CDS
- 133 MHz Pentium® Processor
- 16MB EDO RAM (Exp. to 144MB)
- 1.34GB HDD/Ext 1.44MB FDD
- 10X CD-ROM
- 12.1" Dual Scan Color (DSTN)

☞ Model PA1240U-S2C

$1599

Satellite Pro 440 CDT w/MMX
- 133 MHz Pentium® Processor
- 16MB EDO RAM (Exp. to 144MB)
- 1.35GB HDD/1.44MB FDD
- 10X CD-ROM
- 12.1"Active Matrix Color (TFT)

☞ Model PA1241U-T2C

$2649

Tecra 520CDT w/MMX
- 166 MHz Pentium® Processor
- 32MB EDO RAM (Exp. to 160MB)
- 2.1GB HDD/1.44MB FDD
- 10X CD-ROM
- 33.6 Voice/Fax/Modem
- 12.1" Active Matrix Color (TFT)
- 16 Bit Sound/Speakers

☞ Model PA1246U-T2A

$3569

Portege 660 CDT
- 150 MHz Pentium® Processor
- 16MB EDO RAM (Exp. to 80MB)
- 1.35GB HDD/1.44MB FDD
- 10X CD-ROM
- 28.8 Voice/Fax/Modem
- 16 Bit Sound/Speakers
- 11.3" Active Matrix Color (TFT)

☞ Model PA1126U-T9A

$2599

COMPAQ
Authorized Reseller

Armada 1550 DMT/133
- 133 MHz Pentium® Processor
- 16MB RAM (Exp. to 80MB)
- 1.44GB HDD/1.44MB FDD
- 33.6 Voice/Data/Fax
- 10X CD-ROM
- 12.1" Active Metrix Color(TFT)

☞ Model 255150-005

$2379

Armada 7730MT/166 with MMX
- 166 MHz Pentium® Processor
- 32MB RAM (Exp. to 144MB)
- 2.1GB Smart HDD/1.44MB FDD
- 33.6 Telephone Modem/Fax
- 12.1 Active Matrix Color (TFT)

☞ Model 277706-003

$3599

Deskpro 2000 5166/1200/Desktop
- 166 MHz Pentium® Processor
- 16MB RAM Exp. to 192 MB
- 1.2GB HDD/1.44MB FDD
- 1MB SVGA Video
- Compaq Keyboard & Mouse
- Desktop Case
- MS Windows 95

☞ Model# 244100-005

(Monitor not included)

$979

Deskpro 6000 2100 PDS/Desktop
- 233 MHz Pentium II® Processor
- 32MB RAM
- Adaptec 2940 Ultra SCSI Controller
- 2.1GB SCSI HDD/1.44MB FDD
- 2MB Matrox Millenium SVGA Video
- PD-CD Re-writable
- Integrated NetFlex-3 Ethernet Controller
- Compaq Keyboard & Mouse
- Desktop Case
- Windows NT Workstation

☞ Model# 284200-002

(Monitor not included)

$2259

MONITOR SPECIAL
Iiyama Vision Master Pro-17
- 1600 x1280 (72Hz) .25
- Flat Square Aperture Grill Tube (Diamondtron)
- 16" Diagonal Viewable Area
- PC or Mac (Adaptor Included)
- Model MT-9017E Aware-Winning Value and Performance

$624

IBM
Authorized Reseller

IBM PC300 GL 5166
- 166 MHz Pentium® Processor with MMX Technology
- 8.2MB RAM (Exp. to 128MB)
- 2.5GB HDD/1.44MB FDD
- 1 MB PCI SVGA Video
- IBM Keyboard & Mouse
- Desktop Case
- MS Windows 95

☞ Model 6282-73U

$1199

Authorized Reseller

Power Mac 7300/200
- Power PC 604e RISC @ 200MHz
- 32MB RAM (Exp. to 512MB)
- 2GB Hard Drive/1.4MB FDD
- 12X Speed CD-ROM Drive
- 16 Bit Stereo Input/Output
- Built-in 2MB VRAM Graphics
- Ethernet 10BT/AUI

☞ Model M5543LL/A

(Monitor not included)

$2099

Power Mac 9600/300
- Power PC 604e RISC @ 300Mhz
- 64MB RAM Exp. to 768MB
- 4GB HDD/1.4MB FDD
- 24X Speed CD-ROM Drive
- Built-in 8MB VRAM Graphics
- 16 Bit stereo Audio

☞ Model# M6338LL/A

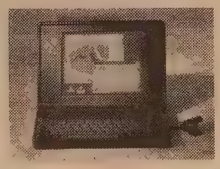
(Monitor not included)

$3499

EDITOR'S CHOICE
NEC Super Script 860
Laser Printer

$379

HEWLETT PACKARD
Authorized Reseller



OmniBook 3000CTX/200 Model 2100 with MMX
- 200 MHz Pentium® Processor
- 16MB RAM (Exp. to 128MB)
- 2.1GB HDD/1.44MB FDD
- 13.3" Active Matrix Color (TFT)

☞ Model# F1391A

$3899

Net Vectra 5/200 Network Station
- 200MHz Pentium® Processor
- 16MB RAM (Exp. to 192MB)
- 1.0GB HDD/1.44MB FDD
- 2MB SVGA Video
- HP Keyboard & Mouse
- Desktop Case
- MS Windows NT Workstation
- Fast-Ethernet 10/100 Base TX

☞ Model# D5471N

(Monitor not included)

$1079

Brio MT 5166X Small Business System
- 166MHz Pentium® Processor With MMX Technology
- 16MB RAM (Exp. to 128MB)
- 2.1GB HDD/1.44MB FDD
- 16X CD-ROM
- 1MB PCI SVGA Video
- HP Keyboard & Mouse
- Mini-Tower Case
- MS Windows 95

☞ Model# D5555A

(Monitor not included)

$1199

Kayak XU 6/266
- 266MHz Pentium® II Processor
- 64MB RAM (Exp. to 512MB)
- 4.5GB HDD/1.44MB FDD
- 4MB Matrox Millenium II SVGA Video
- 24X SCSI CD-ROM
- HP Keyboard & Mouse
- Mini-Tower Case
- MS Windows NT 4.0 Workstation
- Fast-Ethernet 10/100 Base TX

☞ Model# D4692N

(Monitor not included)

$3799

HP Printers
- HP DESKJET 670 ..... $207
- HP DESKJET 692C $284
- HP DESKJET 720C $369
- HP DESKJET 820CXi $254
- HP DESKJET 890CXi $418
- HP DESKJET 1000CXi (11 x 17) $484
- HP DESKJET 1600C $1289
- HP DESKJET 1600EM $1879
- HP LASERJET 6LXi $376
- HP LASERJET 6PXi $744
- HP LASERJET 6MP $878
- HP LASERJET 5 ..... $998
- HP LASERJET 5N $1284
- HP LASERJET 5M $1524
- HP LASERJET 4000 ..... $1129
- HP LASERJET 4000TN $1599
- HP LASERJET 4V $1775
- HP LASERJET 4MV $2589
- HP LASERJET 5si $2339
- HP LASERJET 5siNX $2679
- HP LASERJET 5siMX $3394
- HP COLOR LASERJET 5 ..... $3799
- HP COLOR LASERJET 5M $4799
- HP ScanJet 5S $229
- HP ScanJet 5P $274
- HP ScanJet 6100C $698
- HP OfficeJet Pro 1150C $899

HP Printer Memory
Limited to Stock on Hand, KTH5LI/4.4MB Upgrade for LaserJet 5L & 6LXi

#110001196 ..... $49

Epson Printers
- Stylus Color 400 ..... $198
- Stylus Color 600 ..... $254
- Stylus Color 800 ..... $354
- Stylus Color 1520 ..... $758
- Stylus Color 3000 ..... $1699
- DFX 5000+ (560cps) $1399
- DFX 8000+ (1066cps) $2369

Tektronix Printers
- Phaser 350 Color Laser $2999
- Phaser 300X Solid Ink Color(11x17) $4899
- Phaser 600X Solid Ink Color $11,999
- Phaser 480X Dye-Sub Color(11x17) $13,299

Lexmark Printers
- Optra E+ $394
- Optra S 1250 ..... $1029
- Optra S 1650 ..... $1119
- Optra S 2450 ..... $2189
- Optra N 245 (24ppm/16mb) $3099

PALM COMPUTERS & PDA'S
- HP Palmtop 360LX PC w/8MB RAM $669
- Philips Velo 1 PC w/4MB RAM $469
- Compaq PC Companion w/4MB RAM $389
- US Palm Pilot Professional w/1MB RAM $349
- USR Palm Pilot Personal w/512K RAM $259

COMPAQ · HEWLETT PACKARD · IBM · TOSHIBA · LEXMARK · Tektronix · EPSON

Panasonic · intel · ASUS · Seagate · WESTERN DIGITAL · Maxtor

HD COMPUTER

BUSINESS HOURS: MONDAY — FRIDAY, 9:00 A.M. — 6:00 P.M.

SANTA CLARA
Tel: (408)986-9898 / Fax: (408)986-9989
980 Walsh Ave., Santa Clara, CA 95050
EMAIL: hd@sc.hdcomputer.com

SAN FRANCISCO
Tel: (415) 434-8118 / Fax: (415) 434-8128
232 Montgomery St., San Francisco, CA 94104
EMAIL: hd@sf.hdcomputer.com

MON - FRI 9:00 A.M. - 6:00 P.M. / SAT 10:00A.M. - 6:00 P.M.

EL CERRITO
Tel: (510)528-0753 / Fax: (510) 528-0757
10005 San Pablo Ave., El Cerrito, CA 94530
EMAIL: hd@el.hdcomputer.com

FRESNO
Tel: (209) 446-0809 / Fax: (209) 446-0819
6481 North Blackstone Ave., Fresno, CA 93710
EMAIL: hd@fn.hdcomputer.com

HD COMPUTER WWW Shopping Mall: http://www.hdcomputer.com

HD COMPUTER WWW Shopping Mall: http://www.hdcomputer.com

HD COMPUTER — We Are the Low Price Leader for Networks, Systems, Upgrades, Components, Peripherals, Service & More!

MONTHLY SPECIAL

(Limited Quantities! Order Now!)

NEC MONITORS

NEC XV17+ Monitors.....$669
NEC XP17+ Monitors.....$999

NEC VERSA 6030H Notebook.....$2999
NEC PowerMate V2133 MT Computer.....$999
NEC PowerMate P2166 DT Computer.....$1199

EPSON Stylus Color Pro Printer.....$389

Compaq DeskPro 2000 5133 DT Computer . $1099
Compaq Armada 1120T 5100 Notebook (Demo) .. $999

Toshiba Tecra 510CDT 5133 Notebook.....$2969

CD-ROM

MITSUMI
8Xi EIDE Internal.....$68
16Xi EIDE Internal.....$84

PLEXTOR
12Xi SCSI Internal.....$209
12Xi SCSI Internal w/Caddy.....$258
12Xe SCSI External.....$299
20Xi SCSI Internal.....$218

TOSHIBA
16Xi EIDE Internal.....$89
12Xi SCSI-2 Internal.....$114
15Xi SCSI-2 Internal.....$159
24Xi EIDE Internal.....$94

CONTROLLERS

ADAPTEC
1522B ISA/SCSI Fast w/Kit.....$132
1542CP ISA/SCSI Bus Master w/Kit.....$233
2940AU PCI/SCSI w/Kit.....$204
2940UW Ultra Wide PCI/SCSI.....$243
3940 Twin Channel PCI/SCSI.....$359
3940W Twin Channel PCI/SCSI Wide.....$469
1460A-2 Slim SCSI PCMCIA.....$158

FAX MODEMS

US ROBOTICS
Sportster 33.6 Internal.....$114*
Sportster 33.6 External.....$124*
Sportster 33.6 Internal-w/Voice.....$134*
Sportster 33.6 External-w/Voice.....$144*

The Above Sportsters Upgradable to 56K "X2" Technology

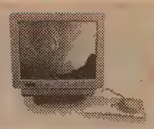
Sportster X2 56K Internal.....$124*
Sportster X2 56K External.....$134*
Sportster X2 56K Internal w/Voice.....$144*
Sportster X2 56K External w/Voice.....$154*

** (After Mail-In Rebate -Retail Box Only)*

KEYBOARDS

MICROSOFT
Microsoft Natural - Win 95.....$54

MONITORS



Special Offer

VICTORIA
14" 1024x768NI.....$189
15" 1280x1024.....$234
17" 1280x1024.....$469

IIYAMA
Vision Master 17" (MF-8617E).....$534
Vision Master-Pro 17" (MT-9017E).....$624
Vision Master 21" (MF-8221E).....$1229
Vision Master-Pro 21" (MT-9021E).....$1268

MAG
DJ702e 17" 1280 x 1024.....$568
DX700T 17" 1280 x 1024.....$634
DJ717 17" 1280 x 1024.....$699

NANAO
FX-B5 15" 1280 x 1024 .28.....$519
FX-C6 17" 1600 x 1280 .26.....$789
TX-C7S 17" 1600 x 1280 .25.....$998
TX-D7S 20" 1600 x 1280 .25.....$1669
FX-E8 21" 1600 x 1280 .26.....$2239

NEC
A500 15" 1280x1024 .28.....$329
E500 15" 1280x1024 .25.....$368
M500 1280x1024.....$388
A700 17" 1280x1024 .28.....$589
E700 17" 1600x1200 .25.....$669
M700 17" 1280x1024 .25.....$758
P750 17" 1600 x 1280 .25.....$799
E1100 1600 x 1280 .28.....$1298
P1150 21" 1600x1280 . 28.....$1444

NOKIA
449Xa 15" 1024 x 768 .27.....$419
447Z 17" 1280 x 1024 .27.....$599
447Za 17" 1280 x 1024 .25 w/Speakers.....$609
447Xi 17" 1600x1280 .25.....$729
445Xi 21" 1600x1200 .22.....$1399

SONY
CPD 100ES 15" 1280x1024 .25.....$399
CPD 200SX 17" 1280x1024 .25.....$628
CPD 200SF 17" 1280x1024 75Hz .25.....$698
CPD 300SFT 20" 1600x1280.....$1369

VIEWSONIC
Entre Series
17EA 1280x1024 w/ Built-in Speakers.....$529
Graphic Series
15GA 1280x1024 w/Built-in Speakers.....$374
G771 17" 1280x1024.....$534
17GA 1280x1024 w/Built-in Speaker.....$599
GT770 17" 1280x1024 .25.....$644
GT800 20" 1600x1280.....$1119
G810 21" 1600x1280 77Hz.....$1229
Professional Series
17PS 1600x1280 .25.....$644
PT770 17" 1600x1280 .25.....$688
P810 21" 1600x1280 76Hz .25.....$1294
PT813 21" 1600x1280 77Hz.....$1379
P815 21" 1800x1440 76Hz .25.....$1429

LCD FLAT-PANEL DISPLAY

VIEWSONIC
VPA 140 View Panel 14"TFT 1024 x 768.....$1999

MOTHERBOARDS

INTEL (W/O CPU)
AL440LX Atlanta (for Pentium II).....$259
Providence Pro Dual.....$499
LT430 TX Longtree w/512K Pipeline.....$178
AN 430TX Anchorage w/512K Pipeline.....$188

ASUS (w/o CPU)
P2L97 ATX (for Pentium II).....$224
P2L97-S ATX (for Pentium II).....$314
P2L97-DS ATX (for Dual Pentium II).....$478
TX97 w/512K Pipeline.....$166
TX97 w/512K Pipeline.....$168
TX97-XE ATX w/512K Pipeline.....$179
TXP4-X w/512K Pipeline.....$154

POINTING DEVICES

VICTORIA
3-Button Serial Mouse.....$7.99

GENIUS
Genius NetMouse Combo.....$24

LOGITECH
Logitech Mouseman Combo.....$44
Logitech Bus Mouse.....$63
Logitech Track Marble Combo.....$79

NETWORK CARDS

3COM
EtherLink III Ethernet Adaptors:
3C509B-Combo ISA-TP/Coax.....$99
3C590-TPO PCI-TP Only.....$109
3C590-Combo PCI-TP/Coax.....$159
3C589D-Combo PCMCIA-TP/Coax.....$149
Fast EtherLink XL:
3C900-TPO PCI-TP Only.....$99
3C900-combo PCI-TP/BNC/AUI.....$129
3C905-TX PCI-TP.....$89

INTEL
EtherExpress Ethernet Adaptors:
Pro/10+ ISA PCLA-8220B-10BT.....$84
Pro/10+ ISA PCLA-8210B-10BT/BNC.....$94
Pro/10+ ISA PILA-8520B-10BT.....$112
Pro/10+ ISA PILA-8520B-Combo.....$138
Pro/10+ Flash ISA PCLA-8225B-10BT.....$99
Pro/10+ Flash ISA PCLA-8215B-10BT/BNC.....$104
Pro/10+ PCI ISA PILA-8465B-10BT/100BTX.....$89
Pro/10+ PCI ISA PILA-8475B-10BT/100BT4.....$144

REMOVABLE MEDIA DRIVES

IOMEGA
Zip Plus 100MB External - Parallel/SCSI-2 (AutoDetect).....$209
Zip 100MB Parallel External.....$139
Zip 100MB SCSI-2 External.....$139
Zip 100MB SCSI-2 "Insider".....$139
Zip 100MB ATAPI Internal.....$139
Jaz 1GB SCSI-2 "Insider".....$274
Jaz 1GB SCSI-2 Portable.....$368
Jaz 2GB Ultra SCSI "Insider".....$499
Jaz 2GB Ultra SCSI Portable.....$599

MOTHERBOARD SPECIAL

TYAN (W/O CPU)
TomCat IV (S1564S) HX AT.....$164
TomCat IV (S1564D) HX Dual Pentium AT.....$198
Titan Turbo AT-2 (S1571S) TX AT.....$148
Titan Turbo ATX-2 (S1573S) TX ATX.....$146
Tiger (S1692S) LX ATX (Pentium II).....$239
Tiger 2 (S1692D) LX ATX (Dual Pentium II).....$349
Tiger 2 (S1696DLUA) LX ATX (Dual Pentium II) ... w/Sound & Dual UWSCSI).....$569

Full-One-Year Replacement Warranty!

SOUND CARDS

CREATIVE LABS
Sound Blaster 16 PnP.....$54
Sound Blaster AWE 64 Value.....$94
Sound Blaster AWE 64 Gold.....$188

SPEAKERS

YAMAHA
YST-M7 (5W/Channel).....$44
YST-M15 (10W/Channel).....$68
YST-MSW10 10 Sub Woofer.....$109

TAPE DRIVES

HEWLETT PACKARD
HP Mounting Kit.....$25
C1534A 2GB Internal DAT.....$548
C1536A 4GB Internal DAT.....$594
C1539A 8GB Internal DAT.....$879

HP / COLORADO
T3000 1.6/3.2GB Internal w/TR-2 Tape.....$188
T4000 4-8GB SCSI-2 Internal w/ TR4 Cart.....$348

VIDEO CARDS

ATI (OEM.....$, bundled with hardware only)
Xpression+ PCI/2MB DRAM.....($69)
Xpression+ PCI/4MB DRAM.....($99)
PC2TV PCI/2MB.....($149)
PC2TV PCI/4MB.....($168)
PC2TV PCI/8MB.....($225)
Xpert@Play PCI 4MB.....$194
Xpert@Play PCI 8MB.....$254
Xpert@Work PCI 4MB.....$178
Xpert@Work PCI 8MB.....$234

DIAMOND
(OEM.....$, bundled with hardware only)
Stealth 64 PCI/2MB VRAM.....($99)
Stealth 64 PCI/4MB VRAM.....($149)
Stealth 64 PCI/2MB DRAM.....($59)

MATROX
Millenium II PCI 4MB WRAM.....($229)/$249
Millenium II PCI 8MB WRAM.....($299)/$319
Mystique 220 Business.....$144
Mystique 220.....$144
Rainbow Runner Studio.....$194

Call for Latest Pricing on Floppy Disk Drives, Hard Disk Drives, Memory and More. Dealers Welcome! Volume Discounts Available!

adaptec · DIAMOND MULTIMEDIA · MATROX MGA POWER GRAPHICS · HEWLETT PACKARD · 3Com · ViewSonic See The Difference! · SONY · US Robotics The Intelligent Choice in Data Communications · NEC · NOKIA Consumer Electronics · MAG InfoVision · NANAO · ATi Technologies Inc. Perfecting the PC · Number Nine Visual Technology · i

HD COMPUTER

BUSINESS HOURS: MONDAY — FRIDAY, 9:00 A.M. — 6:00 P.M.

SANTA CLARA
Tel: (408)986-9898 / Fax: (408)986-9989
980 Walsh Ave., Santa Clara, CA 95050
EMAIL: hd@sc.hdcomputer.com

SAN FRANCISCO
Tel: (415) 434-8118 / Fax: (415) 434-8128
232 Montgomery St., San Francisco, CA 94104
EMAIL: hd@sf.hdcomputer.com

MON - FRI 9:00 A.M. - 6:00 P.M. / SAT 10:00A.M. - 6:00 P.M.

EL CERRITO
Tel: (510)528-0753 / Fax: (510) 528-0757
10005 San Pablo Ave., El Cerrito, CA 94530
EMAIL: hd@el.hdcomputer.com

FRESNO
Tel: (209) 446-0809 / Fax: (209) 446-0819
6481 North Blackstone Ave., Fresno, CA 93710
EMAIL: hd@fn.hdcomputer.com

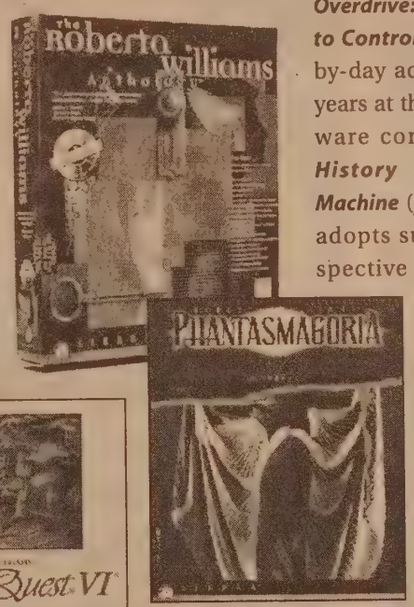
TERMS AND CONDITIONS: • 1 YEAR PARTS AND LABOR WARRANTY ON ALL HD VICTORIA SERIES BRAND COMPUTERS • ALL NON-HD NAME BRAND COMPUTER WARRANTY SERVICE MUST BE HANDLED THROUGH THE RESPECTIVE MANUFACTURER • 30 DAYS RETURN POLICY ON ALL HD VICTORIA COMPUTERS EXCLUDING OPENED SOFTWARE, MONITOR AND KEYBOARD. • MAJOR CREDIT CARDS ACCEPTED • NO SURCHARGE FOR VISA, MC, AMEX AND DISCOVER CARDS • QUALITY PO'S ACCEPTED FROM ACADEMIC, CORPORATE AND GOVERNMENT INSTITUTIONS • APO'S WELCOME • RETURN SHIPMENTS MUST BE PRE-PAID, INSURED AND BEAR A RMA# ON THE SHIPPING LABEL • ADVERTISED PRICES DO NOT INCLUDE SHIPPING CHARGES OR APPLICABLE SALES TAX • PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE • COMPONENTS COMPATIBILITY NOT GUARANTEED • VICTORIA SYSTEM COMPATIBILITY NOT GUARANTEED WITH NON-MICROSOFT SOFTWARE. • NO RETURN ON USED ITEMS • ALL OPEN RETURNS WITH WRAPPING REMOVED ARE SUBJECT TO A 15% RESTOCKING FEE • NOT RESPONSIBLE FOR TYPOGRAPHICAL ERRORS • 100% REFUND WITHIN 7 DAYS ON VICTORIA CPU BOX ONLY • NO RETURNS ON CPU'S, RAM, OPENED MONITORS OR PRINTERS, FORMATTED HARD DRIVES OR ANY PRODUCT WHICH HAS BEEN REGISTERED WITH THEIR RESPECTIVE MANUFACTURER • FROM 8 TO 30 DAYS A 15% RESTOCKING FEE WILL BE CHARGED • NO RETURNS OR REFUNDS WILL BE ACCEPTED BEYOND 30 DAYS • ALLOW 14 DAYS TO PROCESS REFUND • LABOR AND SHIPPING CHARGES ARE NOT REFUNDABLE • *PRICE GOOD THRU DECEMBER 31, 1997*

continued from page 32

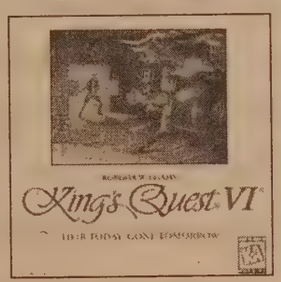
twelve empires from the ancient world you hunt, populate, settle and battle against the computer or human players.

Action games have always ridden high on the sales charts, though as with games in general, most are poor rip-offs of some of the classics. Surprisingly, two sequels seem to be at the top of the pack in this highly competitive field. ***Hexen 2*** (Activision, *www.activision.com*), takes the *Quake* engine and adds some almost unbelievable graphics. Set in four different historical "worlds" (Medieval, Egyptian, Mesoamerican and Roman), attention to detail is fantastic. Unlike normal action games, there are four character classes, each with strengths and weaknesses. Monsters are tough, but a plethora of weapons and items helps make up for this.

Quake 2 (id/Activision, *www.activison.com*), the next leap in technology, adds dynamic lightning, more intelligent monsters and less of a "dark" environment. Some of the architectural wonders of the level design have to be seen to be believed. A multitude of weapons and devices make for wonderful play against the computer or, better yet, your friends.



Several anthologies are great sources of some older classic games and are fantastic bargains. ***Jane's Fighter Anthology*** ($54.95, EA, *www.ea.com* , 800-245-4525) combines all their fighter simulations in one package, giving the player hundreds of missions all over the world in jets ranging from the F-4s in Vietnam to B-2s over Russia or the Middle East. The ***Roberta Williams Anthology*** ($54.95, Sierra, *www.sierra.com* , 800-757-7707) gathers together the works of one of the founders of computer gaming. From early works on the Apple II (an Apple emulator is included) through the ***King's Quest*** series and ***Phantasmagoria***, this collection gives a great history in the development of computer games.



It will be very interesting to see what happens in the computer entertainment field in 1998. Major mergers between companies, many already occurring, will probably shrink the field of participants. With hardware and software relatively stable, and with Windows 98 delayed until the middle of the year, hopefully there will be much more emphasis on actual fun game play as opposed to reliance on fancy graphics or technological twists to sell products. Maybe even some new ideas will infiltrate the industry and give us ground-breaking and unique games instead of retreads.

Copyright © 1997 by Jim Pedicord. All rights reserved.

Sam Penrose

Looking At The PC Through Both Ends Of The Telescope

As the history of the computer continues to unfold, preliminary reports are published every month. Among them are two books which examine the computer as a business product. ***Overdrive: Bill Gates and the Race to Control Cyberspace*** is a day-by-day account of the last few years at the world's biggest software company. ***Computer: A History of the Information Machine*** (just released in paper) adopts such a long-term perspective that a quarter of the book passes before the first digital computer is discussed.

The near opposition of their approaches makes these books especially interesting when read together. *Overdrive* succeeds *Hard Drive*, a best-selling and well-reviewed history of Gates and his company through the early 1990s. In his new book, author James Wallace tells the story of how Microsoft went from investing billions of dollars in set-top boxes for a proposed interactive television "Information Superhighway" to focusing most of its energy on winning market share for a free product, browsers for the World Wide Web. Wallace, a reporter, provides reportage by the shovelful. Page after page spills juicy details about who said or did what to whom and how whom responded.

When not covering the antecedents of the browser wars, Wallace recounts Microsoft's conflict with the government, its business strategies and tactics, Gates' forward-thinking investments in various markets, Gates' love life (an entire chapter out of seven in the whole book, plus four of nineteen photos), and the wounded psyche of Philippe Kahn. His many anonymous sources are reasonably well-balanced by dozens of central figures quoted on the record. They in turn paint many different portraits of his subject: We get Microsoft the MBA role model, Microsoft the vaguely felonious, Microsoft the creator of the future, and Microsoft the repackager of technology others did better the first time.

Wallace does not see it as his job to sort through these images of Microsoft and come up with a definitive take. As a result, *Overdrive* sometimes reads less like a book than an anthology of articles linked with annoying newspaper-style leads. One chapter ends "[Gates] and Bingaman were like two very powerful locomotives speeding toward each other on the same track, and neither was going to move to a side track and let the other pass."

Given the mass of detail Wallace provides, *Overdrive* is nonetheless well worth reading for anyone interested in an overview of the PC industry in the early 1990s. By contrast, *Computer* does not stint on analysis or synthesis.

Historians Martin Campbell-Kelly and William Aspray focus on the steady evolution of large-scale data-processing technology, whose history predates the digital computer by a century. *Computer*'s central theme is that marketing and business infrastructure play key roles in defining how technological possibilies are realized.

Microsoft's current hegemony, as reported by Wallace, is the patricidal descendant of IBM's long reign, via the contract IBM gave Microsoft for the development of the IBM PC's operating system, which allowed Microsoft to sell it freely to other hardware manufacturers.

Campbell-Kelly and Aspray relate the history of IBM's dominance as essentially a marketing and service story. IBM as we know it now was created by the world's best salesman of cash registers, Thomas Watson Sr. of NCR. NCR had grown to dominate its own market via the development of modern sales effort, complete with customer research, technology investment, quotas, and training schools for salesmen.

In 1911, Watson was hired as the general manager of a recently formed office equipment conglomerate, C-T-R, and immediately made over its sales practices, tripling revenue in less than a decade to become a major player.

IBM's jump from rivaling to crushing the competition over the following two decades was made possible by two seemingly trivial details. First, their machines were leased rather than sold. This guaranteed a strong revenue stream during business downturns, particularly the

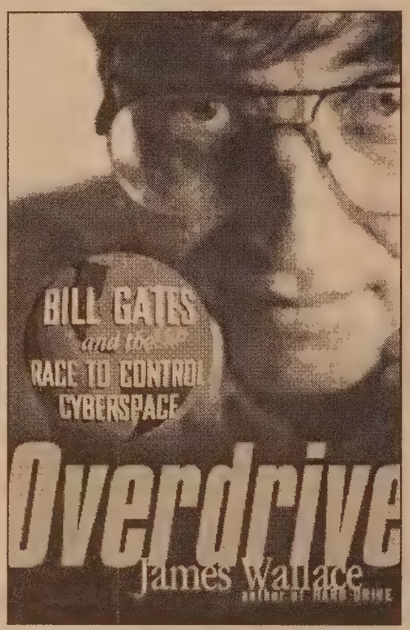
Great Depression, when its competitors could not make a sale. Second was IBM's development of a special paper stock for the punched cards used by its machines. As Windows' notorious hidden APIs helped Microsoft applications to defend market share, IBM's special paper prevented competitors from taking away market share for punched cards, the razor blade of the office equipment industry. "By the 1930s, IBM was selling three billion cards a year, which accounted for 10% of its income but 30%–40% of its profits." Today, Microsoft makes far more money on Office than it does on Windows.

The digital computer was created in the 1940s at the University of Pennsylvania and related institutions. As it became a product in the early 1950s, IBM's autocratic Thomas Watson Jr. threw his company into a turnaround. "Watson recalled: 'People at IBM invented the term "panic mode" to describe the way we operated...'" The parallel is strong with Gates' throwing Microsoft into an Internet frenzy after a slow start as documented in *Overdrive*.

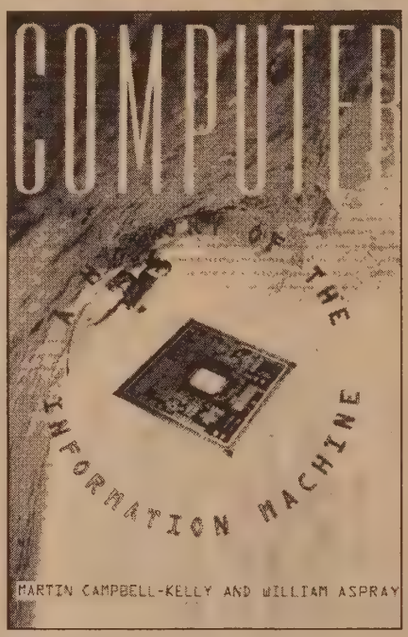
Computer cites IBM's reputation for service as a key factor in overcoming its competitors' early lead: "Recognizing the importance of training from the very beginning, [IBM] organized programming courses for users and established field-engineering teams that provided a [superior] level of customer service." As Apple would do in the 1980s, IBM focused on seeding universities as a way to create a future market out of current students. "By the end of the [1950s], as the computer was transformed into a business machine manufactured and sold in high volumes, [IBM's competitors] were all faced with the same decision: whether to exit the business or to spend the enormous sums necessary to develop peripherals and applications software, and pay for the marketing costs, to compete with IBM."

While it occasionally produced the best computers, IBM soared ahead of its competitors to Microsoft-style dominance for reasons unrelated to computing per se. The IBM 1401, a huge hit of the early '60s, sold twelve times IBM's estimate, in part because its revolutionary printer justified sales of the entire system. The 1401 was succeeded by System/360, a line of software-compatible computers introduced to great hype. "System/360 was to be [IBM's] engine of growth for the next thirty years. ... But in technical terms, [it] was no more than competent. The idea of a [software] compatible range [of computers] was not revolutionary...and IBM's implementation of the concept was conservative and pedestrian." Despite this, economies of scale and the usual IBM smarts instantly made it a standard. Compatible computers still run the world today. (Origin of the Year 2000 problem? The authors don't say.) Parallels with Windows' pummeling of Macintosh are clear.

Computer continues with the familiar story of how IBM used its clout with big business to take over the nascent market for personal computers, despite the fact PCs grew up from microprocessors rather than descending down from mainframes, and how Microsoft came to replace IBM.



More interesting is the book's take on the rise of the Macintosh, which the authors persuasively attribute not to technical excellence but to skillful marketing. Apple was not the only company to come up with a graphical user interface PC, but its effort reached fruition at a critical time. In 1983, the industry shakeout was in full swing as IBM PCs running MS-DOS became the standard. Thirty-five percent of the retail cost of a typical software program went to advertising, "...twice the actual cost of developing a program. As one industry expert put it, the barriers to entry into the software market were 'marketing, marketing, and marketing.'"



In the usual version of what happened next, the spotlight turns on Steve Jobs' rallying of the Macintosh troops. Campbell-Kelly and Aspray focus instead on John Sculley, the executive Jobs recruited from Pepsi, whose reputation has not fared so well. "John Sculley recognized that Apple had a classic business problem that called for a classic solution: product differentiation. Either Apple had to successfully differentiate its product from the IBM-compatible computer, or else it would be driven into the low-profit clone market. The cola wars had trained Sculley well for the task. His strategy was to use all of Apple's resources to launch the Macintosh in a very expensive [$15 million] advertising campaign. By spending large sums on publicity he would create barriers against other competitors, so that there would soon be just two world-class personal computer suppliers: Apple and IBM. All the rest would be IBM clones."

Microsoft in turn would use the Macintosh as a safe harbor where it could invest the guaranteed MS-DOS revenue stream to teach itself how to write quality applications through trial and error without being trampled in the competitive clone market, where its initial efforts were expensive flops of the sort that drove other companies out of business. The descendants of those Macintosh applications, upgraded and rewritten for the PC, are now Microsoft's cash cows. Microsoft simultaneously learned about GUIs, which is why Windows evolved in parallel with the Mac: Microsoft programmers added features like "shortcuts" to Windows after using Macintosh forerunners like "aliases" in the course of working on Word and Excel for the Mac.

Marketing seems paradoxical: We pay businesses to tell us what we want, and businesses

continued on page 42

Sam Penrose: "For their part, neither *Overdrive* nor *Computer* ponders the theoretical limits of the Turing machine, but both decreased my ignorance of its historical reality, and I'm glad I read them."

Introducing PCtown™ 300MHz Pentium® II Processor with MMX™ technology

Microsoft Windows 95 Ready!

Microsoft SOLUTION PROVIDER

300 MHz Pentium® II
with MMX™ technology
Ultimate Partner

- Intel® Atlanta AL 440LX ATX Motherboard
- 64MB SDRAM exp to 384MB
- 1.44 MB Floppy Disk Drive
- 6.4GB Enhanced IDE Hard Disk
- USB 2-16550 Serial & 1 Parallel Port
- 24X Enhanced IDE CD-ROM Drive
- 104K Enhanced PS/2 Keyboard
- MGA Millennium II PCI w/4MB WRAM
- Mid Size ATX Tower case w/235w PS
- Microsoft PS/2 Mouse & Mousepad
- 56.6bps Fax/Modem w/Voice Mail
- Yamaha YM-715,16-bit Stereo Sound
- Altec Lansing Speaker w/Subwoofer
- Microsoft Windows®95
- Iomega Internal EIDE Zip Drive

$2299.99

266 MHz Pentium® II
with MMX™ technology
Office Partner

- Intel® Atlanta AL 440LX ATX Motherboard
- 32MB SDRAM 168Pin exp to 384MB
- 1.44 MB Floppy Disk Drive
- 4.3GB EIDE Hard Disk
- USB 2-16550 Serial & 1 Parallel Port
- 24X Enhanced CD-ROM Drive
- 104K Enhanced Keytronics PS/2 Keyboard
- S3 Virge Gx2 AGP w/4MB SGRAM
- Mid Size ATX Tower case w/235w PS
- Logitech PS/2 Mouse & Mousepad
- Yamaha YM-715 Stereo Sound Built-in
- 60 watt Stereo Amplified Speaker
- 56.6 Fax/Modem w/Voice Mail
- Microsoft Windows®95 CD Ver

$1599.99

WOW! What a Bundle

Purchase one of these great computers and receive a

FREE 15" Monitor & Color InkJet Printer

15" N.I.28 SVGA Monitor **Canon BJC-250 Color Printer**

Microsoft Windows 95 Ready!

Holiday Special Upgrade
with a purchase of any PCtown™ system

Microsoft® Office®97	$189.99
Microsoft® NT 4.0 WorkStation	$99.99
Microsoft® Keyboard	$39.99
Microsoft® Intelimouse Serial	$29.99
17" Monitor	$199.99
Iomega IDE Zip Drive	$99.99
56K Fax/Modem	$39.99
32MB Dimm Memory	$99.99

166 MHz Pentium®
with MMX™ technology
Home Partner

- Intel® Anchorage ATX Motherboard
- 512K Pipeline Burst Cache
- 32MB SDRAM exp to 128MB
- 1.44 MB FDD, USB I/O port
- 2.1 GB Enhanced IDE HD
- 2-16550 Serial & One Parallel
- Mid Tower ATX Case w/235PS
- 104K Windows®95 PS/2 Keyboard
- ATI 3D Xpression w/4MB EDO RAM
- Yamaha OPL3 16-bit Stereo Sound
- Amplified Stereo Speakers
- 24X Enhanced IDE CD-ROM
- Microsoft Windows®95
- Logitech PS/2 Mouseman & Pad
- 33.6 bps Fax Modem

$1349.99

200 MHz Pentium®
with MMX™ technology
Internet Partner

- Intel® Anchorage ATX Motherboard
- 512K Pipeline Burst Cache
- 32 MB SDRAM exp to 128MB
- 1.44 MB FDD, USB I/O port
- 2.1GB Enhanced IDE Hard Disk
- Matrox Mystique 220 w/2MB SGRAM
- 24x Enhanced IDE CD-ROM Drive
- 104K Enhanced PS/2 Keyboard
- Mid Size ATX Tower case w/235w PS
- Logitech PS/2 Mouse & Pad
- 33.6 bps Fax/Modem
- Yamaha OPL3 16-bit Stereo Sound
- Amplified Stereo Speakers
- Microsoft Windows®95

$1449.99

233 MHz Pentium®
with MMX™ technology
Multimedia Partner

- Intel® Anchorage ATX Motherboard
- 512K Pipeline Burst cache
- 32MB SDRAM exp 128MB
- 1.44 MB Floppy Disk Drive
- 3.1 GB Enhanced IDE HD
- USB, 2-16550 Serial & One Port.
- Mid size ATX Tower Case w/235PS
- 104K Windows®95 PS/2 Keyboard
- Logitech PS/2 Mouse & Mousepad
- Diamond Stealth 64 PCI w/2MB VRAM
- Yamaha OPL-3, 16-bit Stereo Sound
- 24X Enhanced IDE CD-ROM
- Microsoft Windows®95
- 56K Fax/Modem w/Voice Mail

$1559.99

Due to fluctuations in the industry prices can change daily. Please call for current pricing

Check us out at http://www.computown.com or E-mail:info@computown.com

TRADE-IN that old Desktop, Laptop Computer or Laser Printer and receive credit towards a NEW purchase! **NOW** your old equipment can help pay for your NEW purchase! Call for details.

Computown™

MOUNTAIN VIEW
PRICE & AVAILABILITY
(800) 498 8696
RETAIL SALES
(650) 962 8696
CORPORATE SALES
(650) 967 8999
REPAIR & SERVICE
(650) 938 8324
Mon - Fri 9am to 7pm
Sat - Sun 10am to 5pm
2065 West El Camino Real

SAN FRANCISCO
PRICE & AVAILABILITY
(800) 655 8696
RETAIL SALES
(415) 956 8696
CORPORATE SALES
(415) 956 1777
REPAIR & SERVICE
(415) 982 8324
710 Market Street

PLEASANT HILL
SALES & SERVICE
(510) 682 8696
CORPORATE SALES
(510) 681 2251
1525 Contra Costa Blvd

SAN JOSE
PRICE & AVAILABILITY
(800) 897 0771
SALES & SERVICE
(408) 275 8696
CORPORATE SALES
(408) 383 9050
780 Montague Expressway/O'Toole

NOVATO
NETWORKING, SALES & SERVICE
(415) 899 8696
(707) 588 8696
100 Rowland Way, Suite 115

The Intel Inside logo and Pentium are registered trademark and MMX is a trademarks of Intel Corporation. IBM is a registered trademark of International Business Machines Corporation. The Energy Star emblem does not represent EPA endorsement of any product or service. Windows® is a registered trademarks of Microsoft Corporation. Computown is not responsible for typographical errors. Limited to stock on hand. Prices/specifications are subject to change without notice. Prices may vary from store to store. All other marks are trademarks or registered trademarks of the products with which the marks are associated. This waiver applies to all Computown advertisements. *Low price guarantee and price matching policy refer to authorized dealers only, on in-stock, new in-the-box products. Competitor's advertisement must be presented. Prices change daily, please call for current pricing. See store for details.

Prices good at Mountain View store only. Expires on December 14, 1997 While supplies last.

For your convenience, we accept

VISA MasterCard AMERICAN EXPRESS CHECK

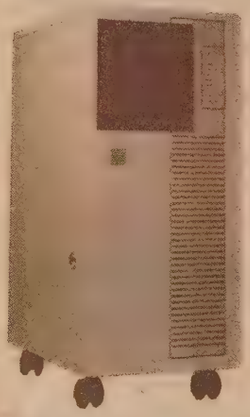
FREE PARKING 1 hour validated parking with purchase @ SF 5th & Mission Garage or Hearst Parking Garage

OPEN 7 DAYS San Francisco Mountain View

PRICE MATCH Upon salesperson's verifications

BEST SERVICE AND BEST QUALITY ARE WHAT MADE BESQ #1

Dual 200MHz Pentium Pro Processors
BESQ PowerServer Pro2200S

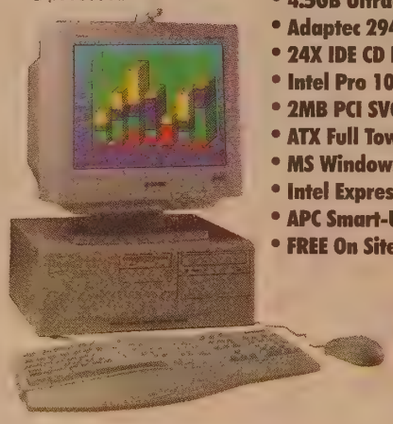


- Intel PR440FX Dual Pentium Pro Motherboard
- 64 MB ECC EDO Bufferred Memory (512 MB Max)
- 256 X2 Integrated Level 2 Cache
- Three 2.1GB Ultra Wide SCSI-3 Hard Drive 8ms
- Integrated Adaptec 7880 Ultra Wide SCSI-3 Controller
- 24X IDE CD ROM Drive/1.44 Floppy Drive
- Intel Pro 100 PCI Ethernet Adapter
- 2MB PCI SVGA Video Adapter
- Dual 300W Hot-Swap Redundant power Supply
- MS Windows NT 4.0 Server w/ 5 Client License
- Intel LanDesk Server Manager Pro add $1229
- 3COM OfficeConnect 3C16720 8 100TX Ports add $729
- APC Smart-UPS 700NET add $389
- FREE On Site Net Work Consulting

$4299

Business Lease: $155/Mo

Dual 266 MHz Pentium II Processors
BESQ GroupServer PII266S



- Tyan Tahoe-2 S1682D Dual Pentium II Motherboar
- Expandable to Two Pentium II CPUs
- 64MB EDO Memory (512MB Max)
- Integrated 512K ECC L2 Cache
- 4.5GB Ultra-Wide SCSI-3 Hard Drive 8ms
- Adaptec 2940 Ultra-Wide SCSI-3 Controller
- 24X IDE CD ROM Drive/1.44 Floppy Drive
- Intel Pro 100 PCI Ethernet Adapter
- 2MB PCI SVGA Video Adapter
- ATX Full Tower Case 235W annual Power Supply
- MS Windows Nt 4.0 Server w/ 5 Client License
- Intel Express 8 Port 100TX add $479
- APC Smart-UPS 700NET add $389
- FREE On Site Net Work Consulting

$2739

Business lease: $99/Mo

BESQ Mobilebook 6280CD

- 16MB RAM (Maximum 40MB) (upgrade to 32MB add $85)
- 1.4GB Hard Drive (2.1GB add $85)
- 256K L2 Pipeline Cache
- Built-in 5.25" 20 X CD-ROM
- 3.5"1.44 Floppy
- PCI Bus 2MB Video RAM MPEG
- Integrated 16-bit Audio w/Stereo Sound System
- PCMCIA 3 Type II or 1 Type III & 1 Type 1 Slots
- Touch Pad
- NIMH Duracell Smart Battery and Charger
- Infrared Communication Compliant "IrDA & Fir Interface"
- NIMH Battery, AC Adapter Carrying Bag
- Microsoft Windows 95

☞ **PCMCIA Ethernet 10 Base T Card/add $60**

BESQ Mobilebook 6280 CD Series	12.1" SVGA Dual Scan	12.1" SVGA Active Color
Pentium 166MHz MMX	$1,729	$2,129
Pentium 200MHz/MMX	$1,779/1,829	$2,179/2,229
Pentium 233MHz MMX	$1,929	$2,329

BESQ Mobilebook 7200CD

- 32MB RAM (72MB Maximum) (64MB add $160)
- 2.1GB Hard Drive (3.1GB add $190)
- 512K L2 Pipeline Cache
- Built-in 5.25" 20 X CD-ROM
- 3.5" 1.44MB Floppy (Exchangeable w/Battery)
- PCI Bus 4MB Video RAM MPEG
- 16-bit Audio w/Stereo Sound System
- 3 Type II or 1 Type II and 1 Type III Slots
- 1 Slot Support Zoom-Video Port
- Infrared Communication Compliant "IrDA & Fir Interface"
- NiMH Battery, AC Adapter, Carrying Bag
- Microsoft Windows 95

☞ **PCMCIA 33.6 Fax Modem/add $85**

BESQ Mobilbook 7200 CD Series	13.3." XGA Active Color	14.1." XGA Active Color
Pentium 166MHz MMX	$2,879	$3,029
Pentium 200MHz MMX	$2,979	$3,129
Pentium 233MHz MMX	$3,079	$3,229

BESQ SYSTEMS

Tel: 408-942-6165

Corporate, Government & Education PO's Welcome
Business Financing Available

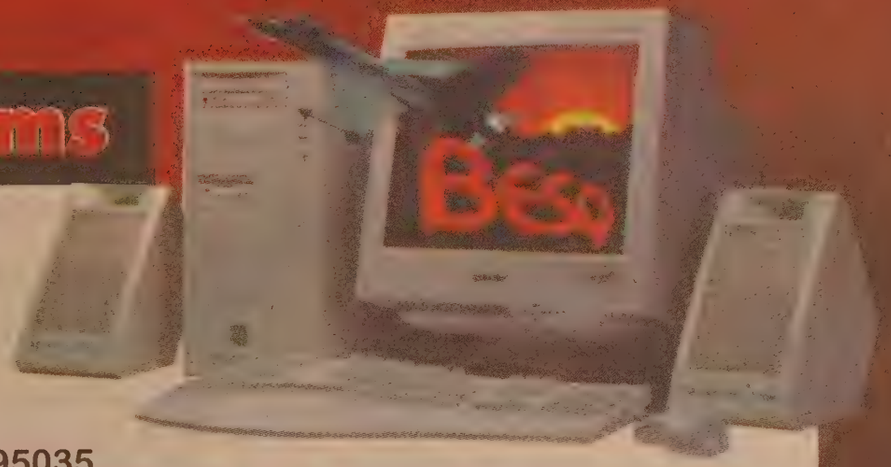
ABOUT BESQ SYSTEMS

BESQ SYSTEMS is specialized in the state-of-the-art technology of networking & computing. It has been serving customers like US Navy, Lawrence Livermore National Labs, Bank of America, Stanford University, Fortune 500 companies nationwide for over five years. Call us today!

BUSINESS HOURS
M-F: 8:00am-5:00pm
SAT: 10:30am-4:30pm

VISA

BESQ Systems



1-800-345-2377

Visit Our Web Site at:
http://www.besq.com

Fax: 408-942-6160

511 Montague Expressway, Milpitas, CA 95035

300MHz Pentium II Processor BESQ PowerStation PII 300AL

- Intel AN440LX Motherboard
- 64 MB SDRAM Memory 10ns(128MB add $299)
- 4.3 GB Ultra DMA Hard Drive(6.4GB add $90)
- 3Dlabs Permedia Ultimate 3D AGP OpenGL 8MB
- 24X CD ROM Drive/1.44MB Floppy Drive
- Yamaha 16-bit 3D Sound System/ 60W Speakers
- ATX Tower case w/235W UL power supply
- 104 PS/2 keyboard/Logitech mouse
- MS Windows NT 4.0 Workstation
- HP CD Writer Plus ReWritable add $410
- 1GB Jazz Drive SCSI int. add $345
- 20" Viewsonic G800 1600x1280 Monitor add $959

$2239

Business Lease:	$81/Mo
Pentim II 266MHz	$1999
Petium II 233MHz	$1849

233MHz Pentium II Processor BESQ PowerStation PII 233

- Intel 440LX chip Motherboard
- 32MB SDRAM Memory 10ns(64 MB add $99)
- Integrated 512K ECCL2 Cache
- 3.2GB Ultra DMA Hard Drive (4.3GB add $50)
- Diamond Viper 330 AGP 128 bit 4NB SGRAM
- 24X CD ROM Drive/1.44MB Floppy Drive
- Yamaha 16 bit 3D Sound System/60W speakers
- ATX Tower case w/235W UL power supply
- 104 PS/2 keyboard/mouse/MS Windows 95
- Intel Pro 100 PCI Ethernet Adapter add $59
- ZIP Drive 100MB int. add $125
- 17" Flat Screen .28NI Monitor add $410

$1399 Best Buy

Business Lease:	$50/Mo
Pentium II 266MHZ	$1549
Pentium II 300MHz	$1789

160 MHz Pentium Processor BESQ PowerMachine P150E

- Intel 430VX chip Motherboard/512K
- 16MB EDO Memory (32MB add $44)
- 1.2GB Hard Drive (2.1GB add $45)
- 2MB DRAM 64-bit Video Graphics MPEG
- 12X CD ROM Drive/1.44MB floppy drive
- Yamaha 16-bit 3D Sound Card / 60W speakers
- Deluxe Tower case w/230W power supply
- 104 keyboard/ Logitech mouse/ MS Windows 95
- 33.6K Voice Internet Access Fax Modem add $45
- 14" Super VGA NI Monitor add $155
- FREE CD Pack: Grolier Encyclopedia, US and World Atlas, Animals, and more!

$599 Best Buy

Business Lease:	$23/Mo
P5-166	$639
P5-200	$699

233 MHz Pentium II Processor BESQ PowerMachine PII233M

- Intel 440LX Chips Motherboard
- 32 MB SDRAM Memory 10ns (64MB add $99)
- Integrated 512K ECC L2 Cache
- 3.2GB Ultra DMA Hard Drive(4.3GB add $50)
- Diamond Fire GL 1000 4MB SGRAM
- 24X CD ROM Drive / 1.44MB floppy drive
- Sound Blaster 64 Sound System / 350W 3D speakers
- ATX Tower case w/235W UL power supply
- 104 PS/2 keyboard/ Logitech mouse/ MS Windows 95
- 56K US Robotics X2 Fax Modem add $149
- 17" Flat Screen .28 NI Monitor add $410
- FREE MS CD Bundle: Encarta, works & Money, and More!

$1449

Business lease:	$53/Mo
Pentium II 266MHz	$1629
Pentium II 300MHz	$1869

166 MHz MMX Pentium Processor BESQ PowerMachine P166AN

- Intel Anchorage Motherboard / 512K
- 32 MB EDO DIMM Memory (64MB add $89)
- 3.2GB Ultra DMA Hard Drive (4.3GB add $50)
- Diamond 3D 4MB Video Graphics
- 24X CD ROM Drive / 1.44MB floppy drive
- Yamaha 16-bit 3D Sound System/ 60W speakers
- ATX Tower case w/235W UL Power Supply
- 104 PS/2 keyboard/ Logitech mouse/ MS Windows 95
- US Robotics 33.6K Fax Modem add $83
- 15" Flat Screen NI Monitor add $215
- FREE MS CD Bundle: Encarta, Works & Money, and More!

$999

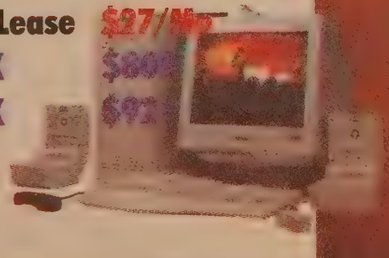
Business Lease	$36/Mo
P5-200 MMX	$1099
P5-233 MMX	$1189

166MHz MMX Pentium Processor BESQ PowerMachine P166M

- Intel 430 TX chip Motherboard/512K
- 32 MB EDO Memory (64MB add $79)
- 2.1 GB Hard Drive (3.1GB add $50)
- VIRGE 3D 2MB Video Graphics
- 12X CD ROM(24X add $20)/1.44MB Floppy
- Yamaha 16-bit 3D Sound Card/ 60W speakers
- Deluxe Tower case w/230W poweer supply
- 104 keyboard/Logitech mouse/MS Windows 95
- 56K Voice Internet Access Fax Modem add $89
- 15" Flat Screen NI Monitor add $215
- FREE MS CD Bundle: Encarta, Works & Money, and more!

$729

Business Lease	$27/Mo
P5-200MMX	$6[illegible]
P5-233MMX	$9[illegible]



Network setup, installation & on site service

continued from page 38

respond by creating barriers to entry for competitors who would otherwise offer us better products at lower prices. After reading *Computer* and *Overdrive*, even a knee-jerk Microsoft basher like me is moved to ask whether this doesn't work out in our own interests. The possibility has to be considered that companies like IBM and Microsoft, with their overpriced, often second-rate implementations of other people's good ideas, compensate for all of their failings by providing a framework within which innovation can be tamed and harnessed to the mundane needs of work and life.

It's also possible that what was true about IBM may not be true about Microsoft. IBM's reign covered decades of strong economic growth (even when you include the Great Depression), while Microsoft's has risen in an era of slow growth. IBM's ultimate focus, as related in *Computer*, was on satisfying customer needs, which perhaps makes sense given the nature of their business: selling machines worth more than a salesman made in a year to big businesses. While Microsoft also depends on corporate sales, its products are several orders of magnitude cheaper and of necessity designed for a mass market.

Overdrive quotes Mitchell Kertzman on Gates' consuming focus, not customers but competitors: "[In 1994] Bill Gates was still thinking about OS/2. You would think, 'Does Bill Gates think about OS/2? Hell no. That war has been won.' But...[w]hen Microsoft displaces an OS/2 customer in a corporation, Bill knows about it. That's amazing. This is the least complacent company you have ever seen. I urged people at [my company] Powersoft to emulate them. We took every little competitor seriously. We learned that from Microsoft. Microsoft always wants to win."

Perhaps even an enlightened Microsoft which sold only products it could be proud of and never played hardball to keep a competitor's superior efforts off the shelves wouldn't have made PCs much more useful. (Certainly even had Microsoft inherited IBM's culture of customer service, it's hard to know how they would have paid for it in a mass market.)

"Taking Computers to Task," an article in the July 1997 issue of *Scientific American*, takes a skeptical look at the core justification for personal computers as productivity tools. Available online at *http://www.sciam.com/0797issue/0797trends.html*, the piece summarizes a range of current thinking. One proposal is that switching to "specialized" from "general purpose" computers might be the key to getting value from the technology. But of course, it's precisely the "general purposefulness" of modern computers, their infinite flexibility within a certain mathematical universe, that makes them what they are: tools capable of editing a video, writing a letter, sorting a collection of records, recording a musical performance, graphing an equation, and on and on.

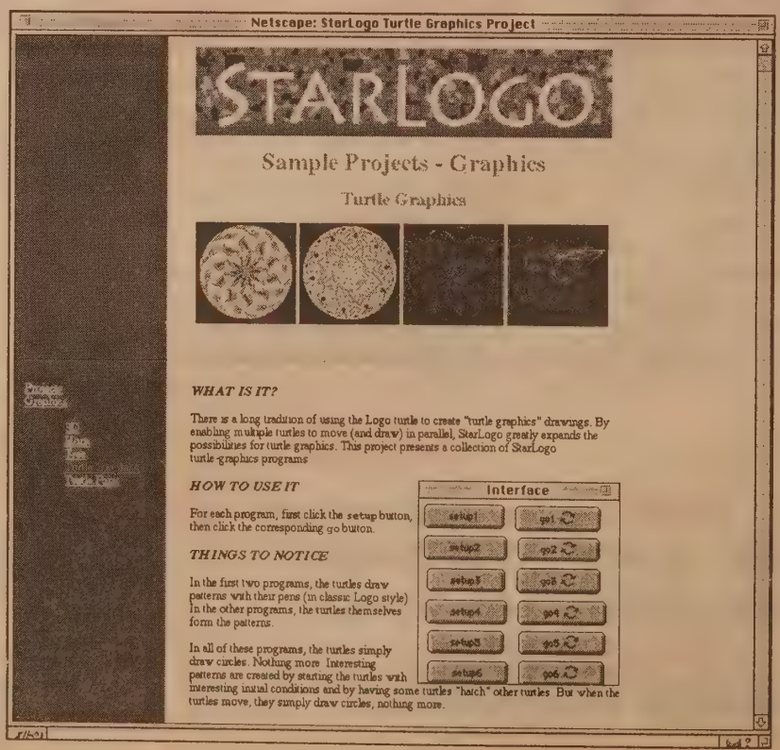
In the physical world, we don't expect our videocams, typewriters, file cabinets, tape decks, and blackboards to be connected. Why do we insist on trying to force their digital equivalents to coexist via the magic of an operating system? "Taking Computers to Task" implies that the benefits of such flexibility might never be outweighed by its costs.

For their part, neither *Overdrive* nor *Computer* ponders the theoretical limits of the Turing machine, but both decreased my ignorance of its historical reality, and I'm glad I read them.

Overdrive: Bill Gates and the Race to Control Cyberspace
by James Wallace
John Wiley & Sons
$24.95

Computer: A History of the Information Machine
by Martin Campbell-Kelly and William Aspray
HarperCollins
$15.00

Copyright © 1997 by Sam Penrose. All rights reserved.


Netscape: StarLogo Turtle Graphics Project
STARLOGO
Sample Projects - Graphics
Turtle Graphics
WHAT IS IT?
There is a long tradition of using the Logo turtle to create "turtle graphics" drawings. By enabling multiple turtles to move (and draw) in parallel, StarLogo greatly expands the possibilities for turtle graphics. This project presents a collection of StarLogo turtle graphics programs
HOW TO USE IT
For each program, first click the setup button, then click the corresponding go button.
THINGS TO NOTICE
In the first two programs, the turtles draw patterns with their pens (in classic Logo style) In the other programs, the turtles themselves form the patterns.
In all of these programs, the turtles simply draw circles. Nothing more Interesting patterns are created by starting the turtles with interesting initial conditions and by having some turtles "hatch" other turtles But when the turtles move, they simply draw circles, nothing more.
Interface
setup1
go1
setup2
go2
setup3
go3
setup4
go4
setup5
go5
setup6
go6

Birrell Walsh

Crystal Ball, 1998-99

The world is kind to prognosticators: If you miss, it usually forgets you; if you have a hit, you become a prophet.

From time to time we whisk the dustcover off the big rock-crystal ball and look into the future. Here are some guesses about some things that may happen in the next eighteen months or so.

Microsoft Wins A Pyrrhic Victory

As this is written in late October of 1997, Microsoft seems to be taking a hit from the Justice Department. My forecast is that Microsoft will win, for now, in an increasingly squalid battle to hold market dominance. The computing world will come to appreciate the Gates genius in partially annexing Apple. By doing so, he closed off Java's non-Windows access to the desktop.

Apple machines might have been the beachhead for an anti-Microsoft alliance centered around Java. No more. As Microsoft fends off attack after attack, it will gradually gain market share with Internet Explorer and head directly toward supremacy on the Internet. At the same time NT will claim more of the server market.

There will be louder calls for anti-trust action, and for support for Attorney General Janet Reno against Redmond. But I bet the Clinton administration will simply decline to enforce the antitrust laws in this case, as it has so far; and the Justice Department's suit will be mysteriously settled.

The White House will justify this in the name of national security: "Microsoft is an American company with world market dominance. Don't mess with it." Microsoft will win this battle in the short term, but at a very high cost. Microsoft will have entered the political arena, big time. It will become the *bête noir* of progressives, and a

continued on page 228

WE ARE INTEL AUTHORIZED DEALER

FREE LABOR FOR CPU/MEMORY UPGRADE!

SUPER SALE! WE BEAT PRICES!

AMD K6-686 166/200/233MMX & INTEL PENTIUM II 233/266300 SYSTEM

- Heatsink Cooling Fan
- Motherboard w/512K Cache
- 16MB Memory • 2.5GB Hard Drive
- 1.44Floppy Drive
- 12X CD-ROM
- SVGA Card w/2MB Window Accelerator MPEG
- Mini-Tower Case/Med. Tower w/Power Supply
- 104 Enhanced heyboard for Win 95 and regular
- Serial Mouse and Mouse Pad

BEST BUY

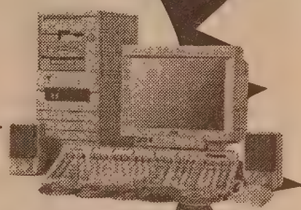
AMD 166 / 200 / 233 $545/591/786 | INTEL 233 / 266 / 300 $969/1136/1340

LIFETIME LABOR WARRANTY ON SYSTEMS!

Service Since 1991

Workstation with Multimedia System

- P5-100/120/133/166/200
- Motherboard PCI+ISA Slots
- Cooling Fan with Heatsink
- 8MB Memory
- 1.2GB Hard Drive
- 1.44MB Floppy Drive
- SVGA Card PCI window Accelerator w/1MB w/MPEG
- 12X CD-ROM
- Mini-Tower Case
- 104 Enhanced Keyboard for Win 95 & Regular
- Mouse and Mouse Pad
- 4-CD Titles



$431/431/431/431/451

- PC Repair & Upgrades Welcome
- Custom Configuration Available
- PC Components Available
- We Beat Prices
- Please Call Us For Current Prices!
- Corporate Accounts Welcome

MULTIMEDIA UPGRADE

- 16-Sound Card
- Speakers & Cable
- Driver Disk • 4 CD Titles

12X CD-ROM Package	$108
20X CD-ROM Package	$118
24X CD-ROM Pachage	$128

COMPUTER UPGRADE

- Green (Energy Saving) Motherboard w/ 256K Pipeline Burst Cache
- Install/Labor
- Complete System Checkout

P5-90	$159
P5-100	$159
P5-133	$159
P5-166	$159
P5-200	$174

SPECIAL SALES & UNBEATABLE PRICES

- 14.4 Fax/Modem $10
- **33.6 Fax/Modem w/Voice ... $38**
- 56K Fax/Modem w/Voice $68
- Logitec Mouse 3-Button $12
- Logitec Marble Trackball $52

"EASY TO SEE YOUR DAUGHTER" Video conference Kit sets
(Color Camera, Video Capture Controller Card, DriverDisk, Software, Easy to install, Long Distance Call by local Rates *for only* $129

MOTHERBOARDS

- Pentium II Intel Motherboard 233/266MHz no CPU .. $200
- Pentium Pro Intel Venus 150/180/200MHz no CPU .. $130
- Pentium 75/90/100/120/133/150/166/200/233MHz Motherboard 512K Cache w/EIDE/ I/O $85
- 486 PCI + ISA Motherboard 128K Cache no CPU $65

SOFTWARE

DOS 6.22 W/SYSTEM	$32
Microsoft Windows 95 w/System	$78
Microsoft Windows NT 3.51/4.0	SSpecial
Microsoft Office Pro for Windows 95	SSpecial
Windows 3.11	$41
Windows 3.11 for Workgroup	$51

PENTIUM WORKSTATION WITH MULTIMEDIA SYSTEM

- 133/150/166/200/166MMX/200/233MMX
- Motherboard and CPU
- Cooling Heat Sink fan (enhanced)
- 16MB Memory 72-Pin 60ns EDO RAM
- 1.2GB Hard Drive
- 1.44MB Floppy Drive
- 12X Speed CD-ROM
- S3 2MB w/MPEG SVGA PCI Card
- MiniTower Case 230W PowerSupply
- 104 Enhanced Keyboard for Win 95/regular
- Serial Mouse w/Pad (upgrade to Microsoft Mouse .... Add $22)

$476/486/515/598/486/598/686

KEYBOARDS

Microsoft Window 95 Keyboard 104 Key	$18
Microsoft Natural Keyboard	$52
Keytronics 101 Key Enhanced	$20
104 Key (Doctor Recommended)	$12

CASES

Mini-Tower with P/S 250W	$29
Mini Tower with P/S & Green Button 250W	$30
Mini Mid Tower with P/S & Protect Cover	$40
Med Tower with P/S & Stand 250W	$45
Full Tower with P/S & Stand 250W	$75
Desktop Case with P/S	$35
Mid Tower ATX with P/S	$75

FAX/MODEMS

Fax/Modem 33.6 Internal (TI)	$40
Fax/Modem 33.6 w/Voice	$38
Fax/Modem 56K Rockwell	$70
Fax/Modem 56K (X2)	$75
Fax/Modem 33.6 Fax/Modem USRobotics	$88
Fax/Modem 56K (X2) USRobotics	$145

MONTHLY SALES

NETWORKING CARDS

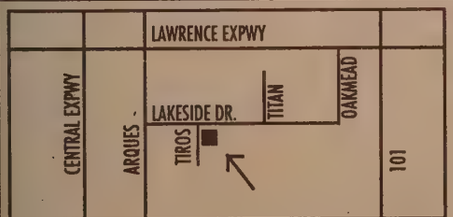
- 3 COM 3C905 10/100 PCI . $50*
- 3 COM 3C509 ISA $36*
- PCI Ethernet Card $10*
- ISA Ethernet Card $10*

MONITORS

14" NI SVGA 1024X768 .28DP	$155
15" NI SVGA 1280X1024 .28DP	$215
17" NI SVGA 1280X1024 .28DPI	$420
20" SVGA	$985
MAG	
DX1595 15" NI 1280X1024	$305
DX15T 15" Trinitron	$335
DX1795 17" NI 1280X1024 .28dp	$515

HARD DRIVES/BACKUP

HARD DRIVES	
1.2GB EIDE/1.6GB EIDE	$120/130
2.1GB EIDE/2.5GB EIDE	$160/170
3GB	$180
4GB	$250
6GB	$350
BACKUP	
Colorado T-3000 3.2GB Int. w/Tape	$159

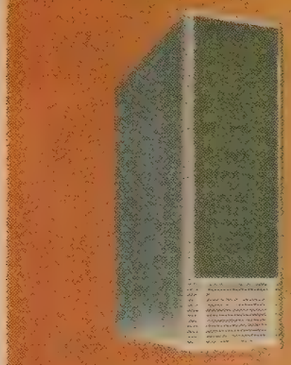


LEGEND COMPUTER Inc.
U.S.A.
Tel. (408) 720-0818
Fax (408) 720-0819
470 A Lakeside Drive
Sunnyvale, CA 94086
Business Hours:
M-F 9:30am-6pm: Sat.10am-4pm
EMail: LegendComp.AOL.COM

TERMS & CONDITIONS
1. Lifetime Labor warranty system & one year parts warranty.
2. Knowledgeable technical support engineers in service.
3. Prices and availability subject to change w/o notice
4. Shipping, insurance and COD charges are extra and nonrefundable. Prices reflect cash discounts.
5. Return shipping must be insured, prepaid and bearing an RMA# on the shipping label.
6. Defective items replaced or repaired at our discretion.
7. No responsible for typos.
8. All returns subject to 15% restocking fee and cover only Legend brand computer, excludes peripherals and software. No refunds after 30 days.
9. Superior reputation for service, quality and value.
10. Purchase orders are welcomed and subject to approval.

** With system Purchase, Limit one piece per system purchase.*

Business Solutions For All Your Computer Needs



Poly Quad Pentium® Pro Server

4 x Pentium® Pro 200MHz CPU
128MB ECC RAM (exp. 1GB)
9.1GB Ultra Wide SCSI-3 HD
24X CD-ROM Drive, 3.5" FDD
2MB Graphics, 15" Monitor
10/100Mbit Fast Ethernet
10-Bay Tower, 400W Power
NT Server w/ 5-User License

$9,995

Poly Dual Pentium® II Workstation

2 x 300MHz Pentium® II CPU
128MB SDRAM (exp. 512MB)
4.3GB Ultra Wide SCSI-3 HD
24X CD-ROM Drive, 3.5" FDD
8MB AGP Open GL 3D Graphics
17" Non-Int. Color Monitor
32-Bit 3D Sound and Speakers
10/100 Ethernet or 56K Modem
9-Bay Full Tower, 300W Power
NT Workstation CD & License

$3,995

PolySun PCI-RISC Workstation

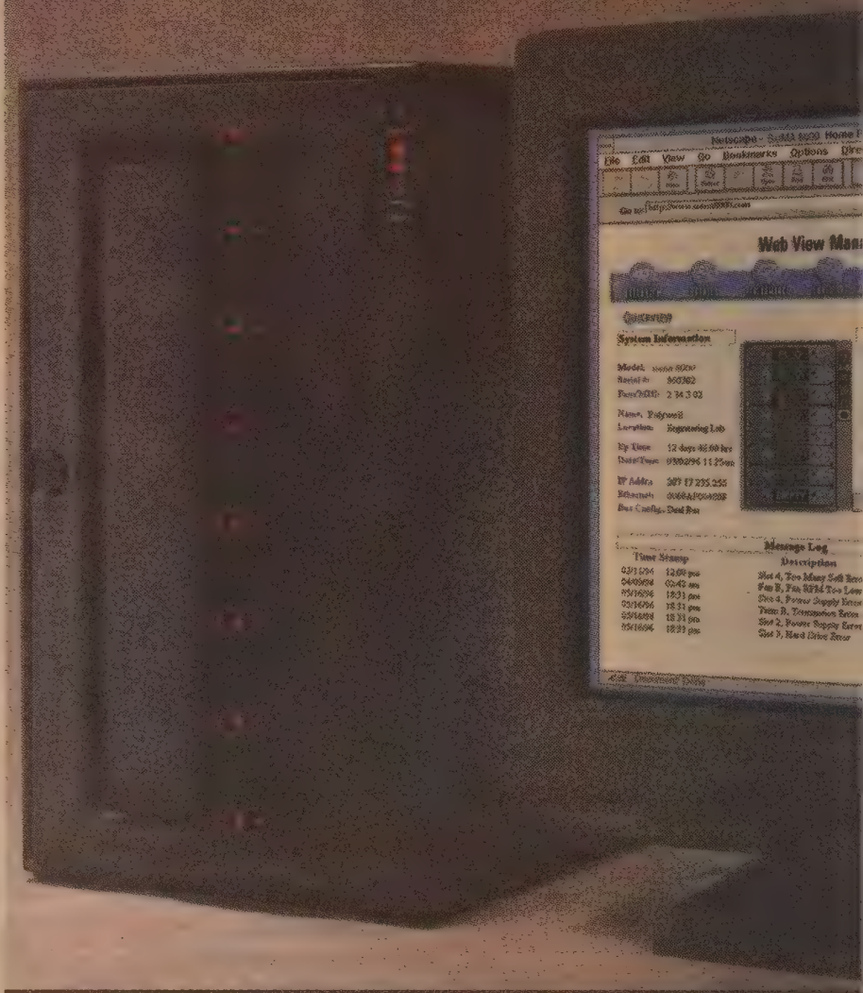
Sun UltraSparc 168MHz CPU
128MB ECC RAM (exp. 512MB)
4.3GB Hard Disk, 16X CD-ROM
2MB PCI Graphic Card, 3.5" FDD
17" High Res. Color Monitor
10/100Mbit Fast Ethernet
7-Bay Mid Tower, 250W Power
Sun Solaris 2.5.1 CD & License

$5,500

Poly 7233L6 Pentium® II PC

Pentium® II 233MHz CPU
64MB SDRAM (exp. 384MB)
4.3GB Ultra IDE Hard Disk
24X CD-ROM Drive, 3.5" FDD
4MB AGP 3D Graphic Card
17" SVGA Color Monitor
56K X2 Fax/Modem
32-Bit 3D Sound and Speakers
6-Bay Mini-ATX Tower, 250W
Windows 95 CD & License

$1,998



Suma 8000

- Open Architecture, Host Platform Independent
- Tower or 19" Rack Mount
- 80-Pin SCA Ultra Wide SCSI
- On-line Hot Swap Maintenance
- Fault Tolerant Backplane
- Remote Internet Manager
- Webview Manager Console
- Support SNMP and SM
- Up to 72GB per Box
- Mylex SCSI to SCSI

20GB Starting...$

Polywell Computers, Inc.
1461 San Mateo Ave.
South San Francisco, CA 94080, U.S.A.
800.999.6649
www.polywell.com
(650)-583-7222 ftp.polywell.com
Fax: (650)583-1974 info@polywell.com

- *5-year in-house labor warranty.*
- *First year/24 hour technical support & life time technical support during office hours.*
- *Optional on-site service also available.*

Pentium® is a trademark for Intel, K6 for AMD, and UltraSparc for Sun.
All trademarks used herein are the registered property of their respective owners

Introducing

POLYWELL ALPHA

How does an Alpha with OpenGL running at 533MHz... for under $2995!* sound to you?!

CAD/CAM • ANIMATION • VIDEO EDITING • INTERNET/INTRANET • SQL SERVERS

GOLD SERIES

AlphaPowered™

Polywell offers Alpha-based systems designed to BLAST through the heaviest, most intense tasks you can throw at them!!
* (533 MHz Alpha CPU, 2MB Cache with 64MB ECC RAM, 4GB Ultra Fast Hard Drive, Open GL Accelerator Graphics Card & NT 3D Workstations)

So what are you waiting for?
Call today...if you feel the need for SPEED!

800.999.6649

Warranty and Support • 5-year In-House Labor • 2-Year Standard Parts
24-Hour Tech Support • Optional On-Site Service • 10-Year Toll-Free Support

Polywell Computers, Inc.

1461 San Mateo Ave. • South San Francisco, CA 94080, U.S.A.
Tel: (650) 583-7222 Fax: (650) 583-1974
Email: Info@polywell.com Web Site: www.polywell.com

AlphaPower is a trademark of Digital Equipment Corporation

SOHO Ho Ho...

St. Nick's Foray Into Office Automation; Most Entertaining Time-Wasters For Yourself Or A Friend

By Birrell Walsh

We check in on Sinter Klaas and Associates, known in America as Santa Claus. It's a small office with international connections, and an acutely seasonal business. You've seen the ads about this outfit using IBM machinery and Lotus Notes. Why? Well, that's an interesting story.

Mr. Klaas had hired a consultant in the spring. The consultant talked about competition from Antarctica, changing corporate realities and things like that. Santa believed that consultant. He got the elves, the reindeer and Mrs. Klaas declared independent contractors. That certainly cut down on the benefits package. He outsourced manufacturing and delivery. All work was done by Web site and catalogue, with fully automated ordering and a nearly-in-time inventory system. He called his company "Sinter Klaas and Associates." Then he changed it to just plain "SantaClaus, Pty SA Ltd., Inc." He had produced the corporation every CEO dreams of—no employees but his own self, all the work subcontracted, a splendid corporate tower just north of Ultima Thule that was empty (except for himself), and a CEO contract for $79 million (plus bonuses).

Of course it was pretty bright up at the North Pole in midsummer, and Santa didn't get much sleep. He started thinking, and pretty soon he realized that even though what he had done was legal, it didn't feel right. So he went out and found Mrs. Klaas, and begged her to come back. He went to a stable just outside Fairbanks where all the reindeer had been drinking up their severance money and recalling the good old days, and he talked them into hitching up again. He reinstituted the benefits plans, and upped them a bit to make up for inflation.

A lot of the elves agreed to come back to work, but some of them preferred to telecommute from their new locations. That's why they needed IBM and Lotus Notes, you see—they needed to accommodate those telecommuting elves.

He sought out every last elf, from Zurich to Kazakhstan. There he was, a fat old man sweating in a red suit in a teahouse on the Silk Route, imploring a little pointy-eared elf while startled camel-drivers looked on. He personally apologized for disrupting their lives with his greed, and beseeched them to come back in time for the season.

A lot of the elves agreed, but some of them preferred to telecommute from their new locations. That's why they needed IBM and Lotus Notes, you see—they needed to accommodate those telecommuting elves.

So if you see Virginia, tell her, OK?

Since Santa is back in business and delivery is secure, I thought I would see what computer goodies one can get for people this year.

I went into LearningSmith and the Electronic Boutique in San Francisco's Stonestown. I must admit I am not much into shoot-em-ups, and the good news is that there are lots of alternatives. Some I tried myself, and some were examined by my friends.

Lose Your Marbles

Good games are addictive. They take you away from daily life, catching your attention and transporting you off.

There are deeply intellectual games, there are adventure games, and there are games that demand you attend to pattern. This year we have SegaSoft's *Lose Your Marbles*, a game strangely reminiscent of *Tetris*.

I have a good friend who went through *Tetris* in a week. She tried out *Lose Your Marbles* for me.

It seems simple enough. There are rows of marbles. Your job is to get three of the same kind of marble in a row. They then vanish. New marbles keep rolling onto the playing field, though, so you can't dawdle. The computer is also playing the game, on a field beside you, so you are in a competition with an implacable opponent.

The graphics are attractive. If you ever stared into the depths of a beautiful marble, you may love this game. The sound effects (lots of cheering kids when you win) will send you back to elementary school days.

SPECIFICATIONS

Total Output Power (RMS)	: 32 Watts
Total Output Power (PMPO)	: 200 Watts
Frequency Response	: 35Hz - 20KHz
THD	: 1%@14 Watts

FEATURES

On / Off Volume Control
Bass Adjustment Control
Treble Adjustment Control
Magnetically Shielded Enclosures

GNT AUTHORIZED RESELLERS

Mountain View: *Victs Computers* 415.960.6811
Sacramento: *Now Technology* 916.388.1941
Santa Clara: *2BG Computer* 408.988-2968
Santa Cruz: *Day & Night Computer* 408.427.0290
Union City: *Computer Bank (distribution)* 510.475.7802

Nationwide: *Micronix USA* 800.580.0505
Robotech 800.533.0633
AMP Technology 800.619.0508

GNT ELECTRONICS
GNT
GNT Electronics, Inc.

GNT Electronics
2960 Scott Boulevard Santa Clara, CA 95054
Tel: 408.727.3856 FAX: 408.727.2954 http://www.gntelec.com

DisksDirect.Com
800-557-1000
Free shipping for all orders within the S.F. Bay Area
NEW Technology!
RICOH model # MP6020S
Re-writable CD-RW CDs .15.99
Internal* .449.00
External* .499.00
CDR MEDIA as low as $1.59
20¢ Premium Grade IBM-Formatted
PREMIUM GRADE IBM-FORMATTED DISKETTES
AVAILABLE FOR IMMEDIATE SHIPMENT!
3.5HD IBM Formatted ..... 20¢
3.5HD MAC Formatted ..... 25¢
OEM Duplicator Grade 3.5 HD ..... 22¢
CDR MEDIA 74 min./650MB
Branded w/Jewel Price / Quantity
10 50 100 500
Memorex KAO ANY QUANTITY $1.89
SONY 2.99 2.89 2.79 2.59
TDK 2.79 2.69 2.59 2.39
MITSUI 2.89 2.79 2.69 2.49
KODAK 2.89 2.79 2.69 2.49
BLANK 2.39 2.29 2.19 1.89
SPINDLE (no jewel) 1.89 1.59
CDR ACCESSORIES
CDR "Stick-It Right" Labeling Kit.....29.99
CDR "Stick-it Right" refills 22.99
CDR Maintenance Kit 12.99
CDR Labels (100 per pack) 12.99
CDR Labels applicator 9.99
Bulk Jewel Cases (100 minimum) 20
CD-R RECORDERS*
HEWLETT PACKARD
HP Surestore CD-writer+ HP7110i (2x6) 409.00
HP Surestore CD-writer+ HP7110e (2x6) 489.00
PHILIPS
Omniwriter 12 internal – PC 339.00
Omniwriter 20 external – PC 479.00
Omniwriter 40 external – Mac 479.00
YAMAHA
CDR 400XT (4x6) – cable, terminator & software
Internal .....$499 External $549
4mm Data Grade SONY TDK MEMOREX 3M KAO
120M (4.0 GB) DDS-2 12.99 14.99 9.99 15.99 9.99
90M (2.0 GB) 5.99 5.99 5.49 7.49 5.49
60M (1.3 GB) 5.99 3.99 5.99 6.99 5.49
125M DDS-3 34.99 — 37.99 — —
8mm Data Grade
QG 112M (5.0 GB) 6.99 7.29 5.99 7.29 5.99
QG 160M (14.0 GB) 12.99 14.29 10.99 13.99 9.99
QG AIT SDX-T3N 79.99 — — — —
DATA CARTRIDGES–1/4 inch
3M SONY
DC2120 10.99 10.99
DC2120 XIMAT 11.49 11.49
DC2120XL XIMAT 14.29 13.29
MC3000XL TAUMAT 26.99 —
MC3000XL PIMAT 24.99 —
TRAVAN TECHNOLOGY
SONY 3M
TR1 (400 MB) 19.99 21.99
TR1 (800 MB) — 25.99
TR3 (1.6 GB) 23.99 25.99
TR4 (4.0 GB) 25.99 29.99
HEWLETT PACKARD
INKJET CARTRIDGES
51625 DESKJET/DESKWRITER 25.79
51626 DESKJET/DESKWRITER 22.79
51629 DESKJET/WRITER BLACK 24.99
51649 DESKJET/WRITER COLOR 26.99
TONER CARTRIDGES
92274A 4L, 4ML & 4P 68.99
92275A LASERJET IIP, IIP+, IIIP 76.99
92285A LASERJET+, 500+ 93.99
92291A III SI, IV SI, IV SI MX 109.99
92295A LASERJET II, IID, III, IIID 67.99
92298A LASERJET IV, IVM 99.99
C3900A LASERJET 4V & 4MV 139.99
C3903A LASERJET 5 & 5MP 79.99
C3906A LASERJET 5L 61.99
C3909A LASERJET 5SI 149.99
REMOVABLE STORAGE
IOMEGA
ZIP DRIVE
Zip Plus external/parallel 199.00
Internal/external/parallel 139.00
Zip cartridges: 11.79 ea. 10-PAK: 112.99
JAZ DRIVE
Jaz 2 GB internal 499.00
Jaz 2 GB external 599.00
Jaz 1 GB internal 289.00
Jaz 1 GB external 379.00
Jaz cartridges: 81.99 ea. 5-PAK: 395.00
SyQuest
Model Description Price
SyJet 1.5GB internal SCSI 279.00
SyJet 1.5GB external parallel (PC/Mac) 359.00
SyJet 1.5GB external SCSI 359.00
SyJet 1.5GB SyJet cartridge 84.99
SYQUEST CARTRIDGES
44 MB 34.99
88 MB 39.99
135 MB EZ 14.99
230 MB EZ Flyer .. 19.99
200 MB 49.99
270 MB 39.99
SONY
QW5122F.....420 MB..... 9.99
QW2GB.....2.0 GB.... 19.99
QW3000XL.....1.0 GB.... 18.99
QW3010XLF.....900 MB.....16.99
QW3020XLF.....1.7 GB... 17.99
QW3080XLF.....4.0 GB.....21.99
DisksDirect offers a complete line of Canon, Panasonic, Hewlett Packard, Epson, and all other printer supplies.
EPSON
INKJET CARTRIDGES
S020025 STYLUS 800 ..... 10.99
S020031 STYLUS 300 ..... 20.99
S020034 STYLUS BLK 13.99
S020036 STYLUS COLOR 26.99
S020047 STYLUS II BLACK 18.99
S020049 STYLUS II COLOR 27.99
TONER CARTRIDGES
S050002 ACTION LASER II 124.99
S051005 PHOTO CONDUCTOR UNIT 158.99
S051011 ACTION LASER 1000/1500 ..... 154.99
S051009 EPL 7000/8000 ..... 198.99
CALL FOR OUR NEW FALL CATALOG!
EXXUS
DisksDirect.Com
*CALL FOR 4x6 CD-R RECORDERS
www.disksdirect.com
200 San Mateo Avenue, Los Gatos, California 95030
Tel: 800-557-1000 • Fax 800-557-9000 / Tel: 408-399-7655 • Fax 408-399-7671
100% – 30 DAY SATISFACTION GUARANTEE
PRICES AND AVAILABILITY ARE SUBJECT TO CHANGE

SOHO Ho Ho... *continued...*

My friend did have a couple of gripes. This is the sort of game that should be compact and fast-loading, so you can play it while waiting on the phone. Instead, it is big and slow to load. My friend reports that it only has five skill levels. Serious players of pattern games want dozens of levels. For all that, she played the game for hours.

If you know a *Tetris* addict, consider getting them *Lose Your Marbles* for Yule.

Creatures

Creatures is a peculiar "game" from Mindscape, most odd indeed. It gives you a tiny world into which are hatched small beings called Norns. They come out of the shell looking cute and helpless. They grow up. You can teach them language if you catch them at the right time. They mature and mate (most decorously) and make new little Norns.

So far they just seem like Tamogotchis, the little key-ring pets you carry around and must care for or they perish. But there's more to the Norns. They interact. They have an environment in which they live. There are predators. There are food plants, some of which are poisonous. If you are not careful to train them properly, you can lose them to these perils.

They also have feelings. They respond to you, and to each other, based on their experiences. Treat them well, and they will like you and bond with you. If Bob and Art (the cats at our house) knew about the Norns, they would be jealous.

Are you starting to get the feeling that the Norns are just a little too real? They have a simple biochemistry and associative brains, simulated biology by which they learn to live in their world. They also have DNA, so you can breed them if you wish. They are not just a game, they are simulated life.

I don't usually quote from the boxes in which software arrives, but two blurbs made my hair stand straight up.

Richard Dawkins is an Oxford University biologist, and author of books like *The Selfish Gene.* He wrote his own evolution program for the Mac some years ago. On the *Creatures* box, he says "Call it a game if you like, but this is the most impressive example of artificial life I have seen."

Douglas Adams is author of *The Hitchhiker's Guide to the Galaxy.* He says, "I saw this program in the same week that evidence was discovered of life on Mars. This is more exciting."

Something about this game makes me think these cute little almost-living beings are well-named. "Norn" is the Old Norse word for the Fates, those who control the future.

Callahan's Crosstime Saloon

I could find out what "Norn" meant because Jasmin Harvey is an Old Norse scholar from UCLA. She is also a fan of the *Callahan's Crosstime Saloon* fantasy series by Spider Robinson.

She was kind enough to look at the new game based on the books. She reports: "Aside from the delays involved in learning to manipulate a new game, this is the most fun I've had on my computer for quite

continued on page 52

At Computer Jam we believe that our customers should know what they are paying for and get it. We specialize and take pride in dealing with you on a one on one basis. Helping you custom-build a top quality computer with high quality parts at an affordable price is our goal. And because we don't sell anything less, we back up our computers with a Two Year Parts and Lifetime Labor Warranty.

Computer Jam is not a large company, but a group of computer nerds who stay on top of the latest technology by testing today's newest products and reading up on tomorrow's upcoming products. We are very honest about the components we sell, letting you know our dislikes and recommendations. There are even some things we refuse to sell. We work with our clients very closely, and because none of use learn commission, you will always be treated equally by all of us. Our goal is to make this company grow, and we know the only way this can be done is by all of us working together. We try to stand apart by giving you the one on one, name knowing, face to face customer service that is just so hard to find with the Big Guys. The Big Guys who don't really know what they're talking about or selling.

Remember, a good computer takes time!

James Allen McCoy, Founder

Berkeley Main
1611 San Pabl
51

Walnut Creek Sales Office
1372 N. Main St. #205
510-939-8480 407
Toll Free 888-939-9901

Computer JAM

Your Alternative Source for Computers

VISA MasterCard ATM

Hours: Mon-Fri 10-7 Sat 10

Why are We Dif erent?

- Two Year Parts Warra
- Lifetime Labor Warra
- Optional 3rd Year Parts Warra
- Optional On-Site Warranty $50 Per
- Delivery and Setup Wi
- Cash, Check, & Credit Ca

e Don't Sell Na
nd Computer
ust Build T

- **Intel 440 fX Chipset ATX** Motherboard w/512 P/B cache, ZIF Socket 7, Built on IO/IDE Controller PnP Flash BIOS
- CPU w/Cooling Fan
- **32MB RAM** 60ns 72pin EDO
- **4.3GB Ultra EIDE Hard Drive**
- 1.44 Floppy
- Impression 7 Plus 17" .27 Monitor
- **Diamond Stealth 3D S3 Virge 4MB EDO**
- **Toshiba DVD CD-ROM**
- **Sound Blaster AWE 64 PnP Sound Card**
- **320 Watt Speakers w/built-in Subwoofer**
- **56.6 Voice/Fax/Modem**
- Super Mini Tower w/230W PS
- Win95 104 Keyboard and Mouse
- **Windows 95 Registered in Your Name w/CD**
- MS Works, MS Money, Comptons' 97
- Two Months Free Unlimited Internet Access

CyrixM2/166...$1915 CyrixM2/200...$1950
CyrixM2/233...$2110
AMDK6/166....$1950 AMDK6/200....$1995
AMDK6/233...$2185
MMX/166 .....$1950 MMX/200 .....$2045
MMX/233...$2135

- **Intel 440 LX Chipset ATX** Motherboard 4x 168-Pin DIMM Socket, supports 512MB, 1 AGP slot, 3 PCI, 4 ISA
- **Pentium II CPU** w/Cooling Fan
- **64MB RAM** 60ns 72pin EDO
- **6.4GB Ultra IDE Hard Drive**
- 1.44 Floppy
- Impression 7 Plus 17" .27 Monitor
- **AGP Fire GL 1000 Pro 4MB SGRAM**
- **24X CD-ROM IDE**
- **Sound Blaster AWE 64 PnP Sound Card**
- **320 Watt Speakers w/built-in Subwoofer**
- **56.6 Voice/Fax/Modem**
- Mid Tower w/230W PS
- Win95 104 Keyboard and Mouse
- **Windows 95 Registered in Your Name w/CD**
- MS Works, MS Money, Comptons' 97
- Two Months Free Unlimited Internet Access

Pentium II 233 Mhz.....$2445
Pentium II 266 Mhz.....$2545
Pentium II 300 Mhz.....$2745

- **MTech Intel Triton TX Chipset** Motherboard w/512 P/B cache, ZIF Socket 7, Built on IO/H-IDE Controller PnP BIOS
- CPU w/Cooling Fan
- **32MB RAM** 60ns 72pin EDO
- **3.2GB EIDE Hard Drive**
- 1.44 Floppy
- Impression 5 Plus 15" .28 Monitor
- **2MB EDO S3 Virge 3D Video Card**
- **24X CD-ROM IDE**
- **Yamaha 16 3D Bit PnP Sound Card**
- **60 Watt Speakers**
- **56.6 Voice/Fax/Modem**
- Super Mini Tower w/230W PS
- Win95 104 Keyboard and Mouse
- **Windows 95 Registered in Your Name w/CD**
- MS Works, MS Money, Comptons' 97
- Two Months Free Unlimited Internet Access

CyrixM2/166...$1390 CyrixM2/200...$1425
CyrixM2/233...$1585
AMDK6/166....$1425 AMDK6/200....$1470
AMDK6/233...$1660
MMX/166 .....$1425 MMX/200 .....$1520
MMX/233...$1610

- **MTech Intel Triton TX Chipset** Motherboard w/512PB cache, ZIF Socket 7, Built on IO/IDE Controller, PnP BIOS
- CPU w/Cooling Fan
- **32MB RAM** 60ns 72pin EDO
- **4.3GB EIDE Hard Drive**
- 1.44 Floppy
- Impression 7 Plus .28 SVGA 17" Monitor
- **Diamond Stealth 3D S3 Virge 4MB EDO**
- **24X CD-ROM IDE**
- **Yamaha 16 3D Bit PnP Sound Card**
- **320 Watt Speakers w/built-in Subwoofer**
- **56.6 Voice/Fax/Modem**
- Super Mini Tower w/230W PS
- Win95 104 Keyboard and Mouse
- **Windows 95 Registered in Your Name w/CD**
- MS Works, MS Money, Comptons' 97
- Two Months Free Unlimited Internet Access

CyrixM2/166...$1430 CyrixM2/200...$1465
CyrixM2/233...$1625
AMDK6/166....$1465 AMDK6/200....$1510
AMDK6/233...$1700
MMX/166 .....$1465 MMX/200 .....$1560
MMX/233...$1650

- **MTech Intel Triton TX Chipset** Motherboard w/512PB cache, ZIF Socket 7, Built on IO/H-IDE Controller PnP BIOS
- CPU w/Cooling Fan
- **64MB RAM** 60ns 72pin EDO
- **4.3GB EIDE Hard Drive**
- 1.44 Floppy
- Impression 7 Plus SVGA .27 17" Monitor
- **4MB EDO S3 Virge 3D Video Card**
- **24X CD-ROM IDE**
- **Yamaha 3D 16-bit PnP Sound Card**
- **320 Watt Speakers w/built-in Subwoofer**
- **56.6 Voice/Fax/Modem**
- Super Mini Tower w/230W PS
- Win95 104 Keyboard and Mouse
- **Windows 95 Registered in Your Name w/CD**
- MS Works, MS Money, Comptons' 97
- Two Months Free Unlimited Internet Access

CyrixM2/166...$1690 CyrixM2/200...$1655
CyrixM2/233...$1885
AMDK6/166....$1725 AMDK6/200....$1770
AMDK6/233...$1960
MMX/166 .....$1725 MMX/200 .....$1820
MMX/233...$1910

- **MTech Intel Triton TX Chipset** Motherboard w/512 P/B cache, ZIF Socket 7, Built on IO/H-IDE Controller PnP BIOS
- CPU w/Cooling Fan
- **32 MB RAM** 60ns 72pin EDO
- **4.3 GB EIDE Hard Drive**
- 1.44 Floppy
- Impression 5 Plus .27 SVGA 15" Monitor
- **Diamond Stealth 3D S3 Virge 2MB EDO**
- **24X CD-ROM IDE**
- **Yamaha 16-bit PnP Sound Card**
- **320 Watt Speakers w/built-in Subwoofer**
- **56.6 Voice/Fax/Modem**
- Super Mini Tower w/230W PS
- Win95 104 Keyboard and Mouse
- **Windows 95 Registered in Your Name w/CD**
- MS Works, MS Money, Comptons' 97
- Two Months Free Unlimited Internet Access

CyrixM2/166...$1270 CyrixM2/200...$1305
CyrixM2/233...$1465
AMDK6/166....$1305 AMDK6/200....$1350
AMDK6/233...$1540
MMX/166 .....$1305 MMX/200 .....$1400
MMX/233...$1490

- **MTech Intel Triton TX Chipset** Motherboard w/512PB cache, ZIF Socket 7, Built on IO/H-IDE Controller, PnP BIOS
- CPU w/Cooling Fan
- **32MB RAM** 60ns 72pin EDO
- **4.3GB EIDE Hard Drive**
- 1.44 Floppy
- Impression 7 Plus .27 SVGA 17" Monitor
- **Diamond Monster 3D 4MB EDO**
- **24X Panasonic CD-ROM IDE**
- **Sound Blaster AWE 64 PnP Sound Card**
- **240 Watt Speakers w/built-in Subwoofer**
- **56.6 Voice/Fax/Modem**
- Super Mini Tower w/230W PS
- Win95 104 Keyboard and Mouse
- **Windows 95 Registered in Your Name w/CD**
- MS Works, MS Money, Comptons' 97
- Two Months Free Unlimited Internet Access

CyrixM2/166...$1710 CyrixM2/200...$1745
CyrixM2/233...$1945
AMDK6/166....$1745 AMDK6/200....$1790
AMDK6/233...$1980
MMX/166 .....$1745 MMX/200 .....$1840
MMX/233...$1930

- **MTech Intel Triton TX Chipset** Motherboard w/512 P/B cache, ZIF Socket 7, Built on IO/IDE Controller PnP BIOS
- CPU w/Cooling Fan
- **64MB RAM** 60ns 72pin EDO
- **4.3GB Ultra EIDE Hard Drive**
- **IoMega IDE Zip Drive**
- 1.44 Floppy
- Impression 7 Plus SVGA .27 17" Monitor
- **Matrox Millenium II 4MB WRAM**
- **24X CD-ROM IDE**
- **Sound Blaster AWE 64 PnP Sound Card**
- **320 Watt Speakers w/built-in Subwoofer**
- **56.6 Voice/Fax/Modem**
- Super Mini Tower w/230W PS
- Win95 104 Keyboard & Mouse
- **Windows 95 Registered in Your Name w/CD**
- MS Works, MS Money, Comptons' 97
- Two Months Free Unlimited Internet Access

CyrixM2/166...$1875 CyrixM2/200...$1910
CyrixM2/233...$2070
AMDK6/166....$1910 AMDK6/200....$1955
AMDK6/233...$2145
MMX/166 .....$1910 MMX/200 .....$2005
MMX/233...$2095

http://www.compu erjam.com

Visit us on the Web
http://www.microtimes.com

MicroTimes

DECEMBER 15, 1997

Our complete resource of Northern and Southern California retailers, service providers and consultants, and the services they offer. This issue serves as a year-round reference for our readers, so make sure your business is included!

JANUARY 1, 1998

Our annual list of industry leaders and unsung heroes who have had a significant impact on the computer industry over the past year. See who is at the top and who will be there soon!

We at *MicroTimes*™ magazine wish you and yours the best this holiday season. We look forward to the new year, serving you as California's leading computer publication.

San Francisco Bay Area

(510)768-1200

"MicroTimes99 Quotation Hotline"

COMPUTER SHOPPING MADE EASY

The MicroTimes Quotation Hotline:
It's Free, Easy and Convenient!

The Free, Convenient And Easy Way To Receive Pricing Quotations On All Your Computer Needs!

To accurately process your quotation request, please print like the example below, without touching the box sides.

Please do NOT use a cover sheet. Only legible and completed forms can be processed. You may make copies of this form for multiple requests as needed.
Fax forms to: (800) 496-8008
Please shade circles like this > ●
and NOT with check or crossed marks > Ø ☒

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

0 1 2 3 4 5 6 7 8 9

You pick and choose the best prices/components available and save BIG BUCKS!! Without leaving your home or office!!

From your home or office, you FAX your HOTLINE form to our Computer

Quotes are sent back to you by E-mail, FAX or mail.

To ensure accuracy, please read the following information and instructions:

1. All requests for quotation must use the form attached so that the Optical Reading software (OCR) can read it accurately. Do not send requests for quotation on your own letterhead because the software will not read any other text except for the text areas provided in the form.

2. Please fill in all the information legibly. By filling in the boxes neatly and legibly our OCR software can read your requests for quotation accurately. This will also ensure that your request is easier for advertisers to respond to your needs.

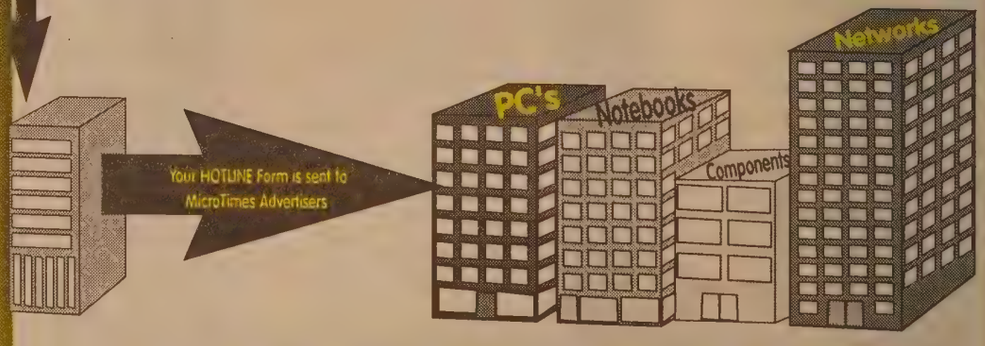
3. Do not cut inside the dotted line. Do not use a cover sheet.

4. If you are asking for multiple systems and/or computer products in the same category but with different specifications, please use additional forms. This will ensure that your requests for quotation will be responded to accurately and without any confusion from MicroTimes advertisers.

5. Be familiar with the particular computer products you are interested in. Be specific about the various products, system processors, speeds, hard drive sizes, features, as well as the particular configuration that you are interested in. This will ensure that you get an accurate response.

Whether you work for a large corporation or are buying for your personal use, the MicroTimes Quotation Hotline can help you gather pricing Information Quickly, Easily and for Free from a wide variety of computer resellers through the support of MicroTimes magazine.

Just fill out the form on the opposite page so you can receive information directly from our advertisers on the exact computer products you are interested in. Our advertisers will respond to your requests directly by fax, phone, mail, or e-mail...whichever way you choose.



When You're Finished, Please Fax The Completed Form To:

1-800-496-8008

MicroTimes *Quotation Hotline*

Fax forms to: 1-800-496-8008

38814

DIRECTIONS: Please Do Not Use A Cover Sheet. Only legible and completed forms can be processed. You may make copies of this form for multiple requests. Copy at 100% of actual size, do not reduce in size. When you fax your form(s), you may want to note that the forms have been placed properly into the fax machine to avoid faxing the form's backsides. Shade or fill in any circles that apply and print neatly within the boxes without touching the box sides.

First Name | Last Name

Number of Employees: ○ 1 to 10 ○ 10 to 50 ○ 50 to 100 ○ Over 100

Company Name | Title

What Is Your Purchase Time Frame? ○ 1 Week ○ 3 Weeks ○ 2 Weeks ○ 4 Weeks

Address

Please Rank Your Choice H=High L=Low
(H)(L) Price (H)(L) Service (H)(L) Reseller (H)(L) Warranty (H)(L) Onsite Support (H)(L) Compatibles (H)(L) Brand Name

City | State | Zip Code

Area Code Phone Number – – | Area Code Fax Number – –

To Be Used Where? ○ Business ○ Home ○ Network

E-Mail Address

E-mail address (continued)

I Would Like To Receive My Quotation Sent To Me By: ○ Fax ○ Phone ○ E Mail ○ Mail

When requesting different types of systems or multiple systems types make copies of this form at 100% of actual size, do not reduce in size. Fill in your number of forms to follow.

Enter # Of Requested Forms ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

"Advertisers' Quotation of the Day!" Your Shopping Made Easy. Our advertisers have packaged all your needs for one stop easy shopping. Please indicate your selections by shading (fill in) the circles that apply and print neatly within the boxes without touching the box sides.

STEP ONE: PICK A SYSTEM.

○ PC COMPATIBLE ○ MACINTOSH
○ PC NAME BRAND ○ Network WORKSTATION
○ PC NOTEBOOK ○ Network FILESERVER
○ MACINTOSH NOTEBOOK

PICK YOUR PREFERENCES

○ Name Brand
○ Compatibles
○ No Preference

Step 1: Enter PC System Brand Name & Model #, If Preference

Step 1: Enter NoteBook Brand Name & Model #, If Preference

Quantity / Choices ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ 10 or More ○

My Budget For System Is ○ Under $1000 ○ $1000 to $1999 ○ $2000 to $2999 ○ $3000 to $3999 ○ $4000 to $4999 ○ Over $5000

Call Me For A More Detailed Quote. ○ Quote Me For Selected Upgrade/Peripherals Choices Only. ○

STEP TWO: SYSTEM CONFIGURATION:

○ INTEL ○ PENTIUM ○ PENTIUM MMX ○ PENTIUM PRO ○ PENTIUM II ○ DUAL CPU'S
○ MACINTOSH ○ MACPOWER BOOK ○ MacCLONE ○ AMD ○ CYRIX

CPU MHz & SPEED:
○ 5X86 ○ 6X86 ○ K-6 ○ Quadra ○ PowerPC
○ 266 ○ 233 ○ 200 ○ 180 ○ 166 ○ 150 ○ 133 ○ 120 ○ 100

BUS TYPE: ○ PCI ○ VLB ○ EISA ○ ISA

CACHE: ○ 64K ○ 128K ○ 256K ○ 512K

RAM: ○ EDO ○ SRAM ○ 4MB ○ 8MB ○ 16MB ○ 32MB ○ 64MB ○ 128MB

MONITOR: ○ SVGA ○ VGA ○ MONO ○ 26 DPI ○ 14" ○ 15" ○ 17" ○ Non Interlace ○ 28 DPI ○ 20" ○ 21" ○ Multisync

HARD DISK DRIVE: ○ 100MB+ ○ 800MB+ ○ 1GB+ ○ 2.5GB+ ○ 4GB+ ○ IDE ○ SCSI ○ ZIP DR ○ JAZZ ○ 2GB+ ○ 3GB+ ○ 6GB+

FLOPPY DRIVE: ○ 1.44MB and/or ○ 1.2MB

FAX MODEM: ○ Internal ○ External ○ 33600bps ○ 56000bps ○ 28800bps

CASE TYPE: ○ Mid Tower ○ Desktop ○ Full Tower

VIDEO CARD RAM ○ 512KB ○ 1MB ○ 2MB ○ 3MB ○ 4MB

POINTING INPUT DEVICES: ○ Any Mouse ○ MS Mouse ○ Keyboard ○ Serial ○ Bus ○ PS2 ○ Trackball ○ Joystick ○ Ball Point ○ Pen

OPERATING SYSTEM NEEDED: ○ Windows 95 ○ OS2/Warp ○ Win NT ○ Mac ○ UNIX ○ DOS/Windows 3.11

STEP THREE: MULTIMEDIA UPGRADE

○ Please Add To Step 1 & 2 Quotation ○ Please Quote Me Separately

CD ROM DRIVE: ○ Internal ○ IDE ○ SCSI ○ External

CD ROM TITLES INCLUDED: ○ 1-5 ○ 5-10 ○ 11+

○ 8X ○ 10X ○ 12X ○ 16X ○ 20X

○ BRAND NAME ○ No Brand Name Preference

CD ROM Brand Name and Model Number

SOUND CARD: ○ 16Bit ○ 32Bit ○ 64Bit

SPEAKERS: ○ Less Than 25W ○ 25 to 50W ○ 50 to 75W ○ More Than 75W

STEP FOUR: NOTEBOOK SECTION - Please Note You Must Make Choices In Steps 1 & 2 To Complete Step 4

SCREEN TYPE: ○ 10" ○ 11' ○ 12' ○ Active Color ○ Dual Scan ○ 13'

PCMCIA SLOT: ○ Type II ○ Type III ○ Type IV

○ Audio Capable ○ Docking Station ○ Extra Battery ○ Fax Modem ○ CD\MultiMedia

STEP FIVE: NETWORKING NEEDS:

○ Please Contact Me on My Networking Needs Indicated Below

○ Software ○ Hardware ○ Consultation ○ Design ○ Installation ○ Administration ○ MS Workgroups ○ Users 2 to 10 ○ Users 10 to 50 ○ Users Over 50 ○ Lantastic ○ Apple Talk ○ Novell ○ MS NT

38814

STEP SIX: UPGRADES & PERIPHERALS:

○ Ink Jet Printer ○ Tape Backup ○ Accelerator ○ Digitizer ○ Laser Printer ○ Color Printer ○ Dot Matrix Printer ○ Flat Bed Scanner ○ Hand Scanner

Paperimage (R), Inc. 1994-1997 Copyright All rights reserved. 408.477.0303 Fax * paperimage@aol.com * 2121 41st Ave., Suite 301, Capitola, CA 95010 * (NoCal Form H 08/25/1997)

Please Cut Out Form On Dotted Line...Do Not Enlarge or Reduce Size of Form

MicroTimes Quotation Hotline

SOHO Ho Ho... *continued from page 48*

some time. The graphics are gorgeous and very detailed, the music pleasant; and, best of all, the characters and patter are true to the spirit of the books. Puns abound, in contests (though not the famous Punday Night competition, there is a Riddle Night) and hidden in the background (such as the York-Easter moving van: 'gotta move York-Easter'...!) There are some new minor characters, but the main cast is the beloved crew of regulars, right out the pages of those paperbacks: Tommy Janssen, Long Drink McGonnigle, Fast Eddie, Doc Webster, and so on, right down to the talking German Shepherd, Ralph von Wau Wau. As in the books, the story unfolds from the point of view of Jake Stonebender, folksinger and longtime Callahan's customer.

"Strange and wonderful things happen at Callahan's Crosstime Saloon. Mike Callahan, aka 'in the Mick of Time,' is the proprietor and barkeep—large, unflappable, and, in spite of seeming to be only an especially gifted member of his profession, actually a time traveller from the distant future, sent to the delicate nexus that is the 20th century. The crew of the saloon are a collection of people from all walks of life (and not all of them from this time/space) who found their way to the unmarked bar because they needed to, there to heal some deep hurt in their souls in the atmosphere of sincere caring and open acceptance where nothing is judged strange, no matter how outlandish.

> Good games are addictive. They take you away from daily life, catching your attention and transporting you off.

"My patience was tested by trying to figure out the controls: the commands may be fairly standard for such adventure games but, since I have played so few, I was baffled for some time and frustrated by my inability to navigate through the scenes. There is an Adventurer's Survival Guide; however, this booklet, although it's generous with tips and hints on solving puzzles at various stages and also provides a fine list of gratuitous 'fun things to do,' gives no information on the basic commands and hence added to the frustration.

"Once I found out that choosing one item from a pop-up menu, for example, is accomplished by holding down the mouse button somewhat longer than a click, and then releasing, things proceeded much more smoothly, and I could enjoy the details crammed into

NOTEBOOKS , NETWORKS, COLOR LASERS
Since 1985!

TOSHIBA
TECRA 750CDT

• Intel Pentium® 233MMX Processor
• 32MB RAM expandable to 160MB
• 5.1GB Hard Drive
• 13.3" TFT Display
• 20X CD-ROM Drive
• 1.44 Floppy Drive
• 64-Bit 3D Graphics Card w/4MB GRAM
• 56K Voice/Fax/Modem
• Video Capture/Conference/Image Scanning
• Built in Cellular
$4899 In Stock

ciscopro 3Com Ascend Bay Networks
Routers, Hubs, Switches ..... CALL

WE ARE NETWORK SPECIALISTS
• NT, UNIX, Novell Servers • Intranets • E-mail Servers
• ISDN • Office Automation • Security • Cross Platform
• Complete Design • On-Site Service • Maintenance

PROVIDING INNOVATIVE SOLUTIONS SINCE 1985

ICON microsystems, inc.
Technology Management Company
46750 Fremont Blvd., Suite 101
Fremont, CA 94538
(510) 490-6494
Ext. 200
Fax (510) 659-1575 • Email:
Sales@iconms.com
HEWLETT PACKARD COMPAQ Apple IBM ciscopro AST

ATTENTION VARS & MIS
in
☛ Health Care
☛ Point of Sale
☛ Banking
☛ Industrial
14.5" LCD w/Touch Screen & Metal Module Options
Introductory Offer $1995

14" TOUCH SCREEN SOLUTION $495
We have your LCD & Touch Screen Monitor Solutions!
Check our website for update specifications
CALTRON INDUSTRIES, INC.
46714 Fremont Blvd., Fremont, CA 94538
510-440-1800 Fax: 510-252-1607
website: www.caltronind.com

California's Premiere Corporate & Business Networking Consultant

Proven Technology since 1990

Authorized Reseller

We Are Price Competitive with Complete After-Service Support

Preconfigured Network File Server

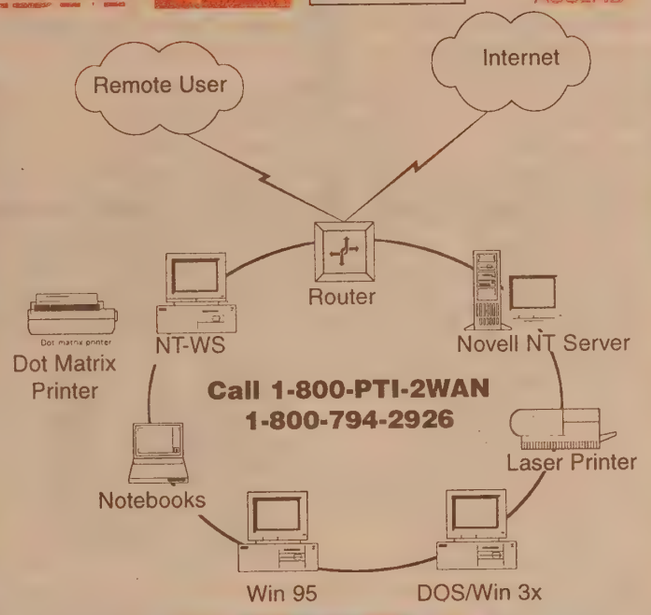
1 File Server & 4 Workstations

Proven Server
- **Pentium® II-233MHz Processor**
- 512K Cache
- Asus Pentium® II Motherboard
- 2.1GB Ultra SCSI Hard Drive
- 64MB EDO RAM
- 24X SCSI CD-ROM Drive
- ATX Form Mid-Tower Case
- **Adaptec** 2940 SCSI Controller
- **Intel** 10/100 Network Card
- 5 Ports Hub
- SVGA Monitor
- PCI SVGA Card
- Novell 4.11 for Small Business (5 User)
- **or**
- **Windows NT 4.0 (5 User)**

4 Workstations

4 Workstations
- **Pentium®-166MMX Processor**
- 256K Cache
- FIC Performance Motherboard
- 16MB EDO RAM
- 1.7GB IDE Hard Drive
- 24X IDE CD-ROM Drive
- Mini-Tower Case
- Intel 10/100 Network Card
- 15" SVGA Monitor
- PCI SVGA Card
- Windows 95

$6299



NT Server

- **Pentium® II-233MHz Processor**
- Pentium® Pro Cooling Fan
- 64MB RAM
- 4GB SCSI Hard Drive
- Teac 1.44 Floppy Drive
- **Adaptec** 2940 PCI SCSI Controller
- 24X SCSI CD-ROM Drive
- Diamond Stealth SVGA Card w/1MB
- 15" SVGA NI .28 Monitor
- **INTEL** 10/100 Network Card
- ATX Form Mid-Tower Case
- Keytronic Keyboard
- Microsoft Serial Mouse
- **Windows NT Server 4.0 w/5 User**

$2699

Performance Systems

- **Intel Pentium® Processor**
- 16MB RAM, 256K
- 1.7GB IDE Hard Drive
- Diamond Stealth PCI w/1MB DRAM
- **24X** IDE Internal CD-ROM w/16-bit Sound Card & Speakers
- Teac 1.44MB Floppy Drive
- 15" SVGA .28dp Non-interlaced Monitor
- USRobotics 33.6 Internal Fax/Modem
- Mini Tower Case w/230W PS
- Keyboard, MS Mouse
- Windows 95 loaded w/CD & Manuals

P5-150MHz . .$1039	PII-233MHz . .$1499
P5-166MMX . .1069	PII-300MHz . .1859
P5-200MMX . .1159	*Call for Other CPUs*

FREE On-Site Network Consultations!

Networking Services

LAN/WAN Networking • Internet Installation • E-mail/Groupware Installation • Software Install/Configuration • Computer Upgrades/Service/Repairs • Network/Server Administration • Custom Configured Systems • Service Contracts, Network Maintenance & PC Maintenance

Networking Products

Intel 10/100 TP	$79
3COM Etherlin 3C905 10/100TX	79
NE2000 Software Config. TP	29
HP JetDirect Enet 10BaseT	299
24-Ports Concentrator w/1BNC/1AUI	249
8-Ports Concentrator w/1BNC	99
5-Ports Concentrator	79
Smart UPS 1000Net	599
Smart UPS 700Net	399

Monitors

14"/15" SVGA .28 NI	$189/239
MAG 15" 1595	359
Viewsonic 17" 17 GS/PS	599/699
Viewsonic 20" V20G-2	1199
Impression 17" 7	469

Fax/Modems/Multimedia

US Robotics 33.6 Int OEM	$99
24X IDE CD-ROM	99
Sound Blaster 16	59

Internet Access Server

AFS2000D 28.8 PPP	$3995
AFS2000E Dual Ethernet Port	4995
AFS2000I ISDN	4995
AFS2000T Frame Relay w/CSU/DSU	7995

ISDN (external w/Analog)

3COM Impact IQ	$389
Motorola Bit-Surfer Pro	389
US Robotics Courier I-Modem	389

Proven Technology since 1990

Terms: *Prices/availability are subject to change • No surcharge for Visa/Mastercard • Company terms on credit approval • Not responsible for typos

408-946-3838

Fax: 408-946-2900

491 Sinclair Frontage Rd.
Milpitas, CA 95035

PROVEN TECHNOLOGY 408-946-3838 CORPORATE NETWORKING CONSULTANTS

HOME STATION

- **Intel** Anchroge **430TX** System
- Intel Pentium CPU with Fan
- with 512k Cache and Support MMX
- Built-in EIDE & 16550 IO Ports
- Built-in EPP & Floppy I/F Ports
- 32MB 168pin SDRAM Dimm
- Teac 1.44MB Floppy Drive
- 4.3GB Ultra DMA IDE Hard Drive
- Toshiba 24X IDE CDROM
- Matrox Mystique II PCI w/. 4MB
- Yamaha OPL3 Audio Integrated
- ATX Mini-Tower Case w/. PS
- MS PS/2 Mouse and 104 Keyboard
- Viewsonic G771 Monitor
- MS Windows 95 and 55W Speakers

Pentium 233MMX $1820
Pentium 200MMX $1710
Pentium 166MMX $1620
Pentium 150/133/120 ..... $1550

OFFICE STATION

- **ASUS** Pentium **430TX** System
- Intel Pentium CPU with Fan
- with 512k Cache and Support MMX
- Built-in EIDE & 16550 IO Ports
- Built-in EPP & Floppy I/F Ports
- 32MB 168 Pin SDRAM Dimm
- Teac 1.44MB Floppy Drive
- 4.3GB Ultra DMA IDE Hard Drive
- Toshiba 24X IDE CDROM
- Diamond Stealth PCI with 2MB
- ATX Mini-Tower Case w/. UL PS
- MS PS/2 Mouse & 104 Keyboard
- Sony CPD-200SX 17" Monitor
- MS Windows 95 on CD

Pentium 233MMX $1790
Pentium 200MMX $1680
Pentium 166MMX $1590
Pentium 150/133/120 ..... $1520

ENGINEERING STATION

- Intel Venus Pro **440FX** System
- Intel Pentium Pro CPU with Fna
- L2 Cache Built-in
- Built-in EIDE & 16550 IO Ports
- Built-in EPP & Floppy I/F Ports
- 64MB-60ns 72pin EDO Simm
- Teac 1.44MB Floppy Drive
- Quantum 2.1GB Ultra SCSI HDD
- AHA2940AU Ultra SCSI Adapter
- Matrox Millennium II 4MB WRAM
- Toshiba 12X SCSI CD-ROM
- ATX Mid-Tower Case w/. UL PS
- MS PS/2 Mouse & 104 Keyboard
- Sony CPD-200SF 17" Monitor
- Microsoft Windows 95 on CD

Pentium Pro 200/512K $2890
Pentium Pro 200/256K $2390
Pentium Pro 180 ..... $2050

CAD POWER STATION

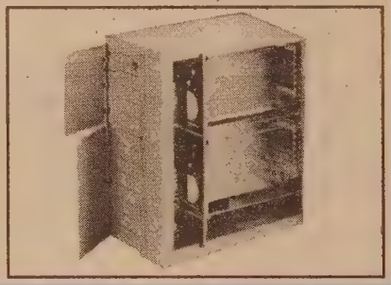
- ASUS/Intel Pentium II **440LX** System
- Intel Pentium II CPU with Fan
- 512K L2 Cache Built-in
- Built-in EIDE & 16550 IO Ports
- Built-in EPP & Floppy I/F Ports
- 64MB 168pin SDRAM Dimm
- Teac 1.44MB Floppy Drive
- 4.3GB Ultra SCSI Hard Drive
- Toshiba 12X SCSI CDROM
- AHA 2940AU Ultra SCSI Adapter
- Diamond Viper 4MB SGRAM AGP
- Creative Lab. AWE64 Sound Card
- ATX Mid-Tower Case w/. UL PS
- Yamaha YST-M15 Speakers
- MS PS/2 Mouse & PS/2 Keyboard
- MS Windows NT for Workstation

Pentium II 300MMX $2360
Pentium II 266MMX $2120
Pentium II 233MMX $1990

DUAL PENTIUM-II 300MHz SUPER-SERVER

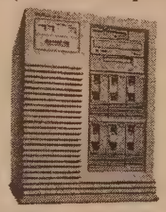
$4,290.00

- **Dual Intel Pentium-II 300MHz Processors & Fans**
- **Intel DK 440LX Dual Pentium II**
- **Intel EtherXprss 10/100 and PCI-ISA**
- **Dual-Channel SCSI Controllers**
- **Seagate 4.5GB Ultra-Wide SCSI HD**
- **128MB 168pin SDRAM-10ns**
- **Teac 1.44MB Floppy Disk Drive**
- **Toshiba 15X SCSI CD-ROM**
- **ATI AGP 4MB Video Card**
- **MS PS/2 Mouse and 104 Keyboard**
- **2X 300W Hot-Swap Power Supply**
- **Tower Case w/. 12 Bays & 4 Fans**
- **OS, Hot-Swap HDD and Raid is Customer Option and upgradable**



HP LH Pro 200MHz System

200MHz-512k Processor(2nd. CPU Option)
ECC Dimms 64MB
AIC7870 PCI SCSI
CDROM & VGA
3-Channel HP Raid
Keyboard & Mouse
HP 3 year On-Site



$7,190.00

** Upgrade to MPS and Raid available **

IBM PC Server

▶IBM E325 Starts Pentium Pro 200MHz 256K, 2nd. CPU Option CD-ROM, 1.44MB FDD K/B and Mouse

Call for Details and Options

5 Year Labor & 1 Year Parts Warranty for Fine Tec Systems

SCSI Hard Disk Drive

Seagate(W/UN/UW/UWD/UWC)

ST52160N	2.1GB	5400RPM	10ms	$220
ST32550N/W	2.1GB	7200RPM	9ms	$420/555
ST32272N/W	2.1GB	7200RPM	8ms	$350/370
ST32272WD/WC	2/1GB	7200RPM	8ms	$450/490
ST34572N/W	4.3GB	7200RPM	8ms	$550/570
ST34572WD/WC	4.3GB	7200RPM	8ms	$630/670
ST34501N/W	4.5GB	10000RPM	8ms	$650/670
ST34501WD/WC	4.5GB	10000RPM	8ms	$770/890
ST19171N/W	9.1GB	7200RPM	8ms	$880/890
ST19171WD/WC	9.1GB	7200RPM	8ms	$990/950
ST19101N/W	9.1GB	10000RPM	8ms	$990/1050
ST19101WD/WC	9.1GB	10000RPM	8ms	$1060/1080

Fujitsu(UN/UW)

M2954NS/WS	4.4GB	7200RPM	8ms	$550/570
M2949NS/WS	9.1GB	7200RPM	8ms	$870/890

IBM(UN/UW)

DORS32160W	2.1GB	5400RPM	9ms	$260
DCAS34330N/W	4.3GB	5400RPM	9ms	$350/350
DCHS34300N/W	4.3GB	7200RPM	8ms	$590
DCHS39100W	9.1GB	7200RPM	9ms	$920

WD(UN/UW)

WDE2170S/W	2.1GB	7200RPM	8ms	$260
WDE4360S/W	4.3GB	7200RPM	8ms	$350/350
WDE9100S/W	9.1GB	7200RPM	8ms	$980/990

Micropolis (UN/UW)

MC4347NS/WS	4.3GB	5400RPM	9ms	$330/345
MC4345NS/WS	4.5GB	7200RPM	8ms	$525/550
MC4345AV/W	4.5GB	7200RPM	8ms	$570/595
MC3391NS/WS	9.1GB	7200RPM	8ms	$870/890
MC3391AV/W	9.1GB	7200RPM	8ms	$920/950

Quantum (W/UN/UW)

XP31070W	1.0GB	7200RPM	9ms	$225
ST2.1S	2.1GB	5400RPM	9ms	$230
ST3.2S	3.2GB	5400RPM	9ms	$285
ST4.3S	4.3GB	5400RPM	9ms	$340
ST6.4S	6.4GB	5400RPM	9ms	$450
VK2275N/W	2.2GB	7200RPM	8ms	$280/280
VK34550N/W	4.5GB	7200RPM	8ms	$470/470
32275SW	2.1GB	7200RPM	8ms	$280
34550S/SW	4.5GB	7200RPM	8ms	$550/570
39100S/SW	9.1GB	7200RPM	9ms	$880/890

SCSI Special !!!

IOmeg 1GB Jaz Drive Int./Ext.	$280/375
IOmeg 100MB Int./Ext. Zip Drive	$115/145
16X NEC Int. SCSI-2 CDROM	$105
12/20 Plextor Int. SCSI-II CD-ROM	$210
15X Toshiba Int. SCSI-2 CDROM	$139
12X Toshiba Int. SCSI-2 CDROM	$110
Richo MP6200 CD Rewrite Int.	$479
Sony CD-Recorder 2W/6R 926S	$295
Sony CD-RW Writable 2W/8R 928E	$340
Yamaha CDR-400t 4W/6R CD Recorder	$465
Adaptec AHA2940UW w./Software	$220
Adaptec AHA3940UW w./Software	$420
Buslogic KT-958UW w./software	$260
Kingston 9-Bay Data Silo Rack Mount	$1090
Kingston Data Express Hot Swap Drawer	$225
Mylex/DPT Raid Controller	**Call**

SCSI Tape Backup

HP 4mm Data Series

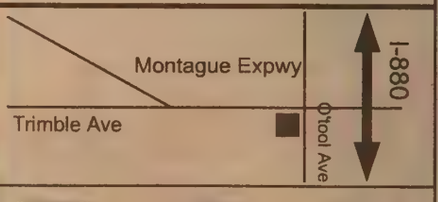
HP1534(2GB)/1536(4GB) 4mm Data	$520/550
C1599A Dat. Internal 4-8 GB 3.5" x HH	$760
C1553A Dat. Internal 24-48 GB Auto-load	$1950
Surestore 1200E Auto-Load Ext. 48GB DDS-2	$2750
C1559A Dat. Ext. 24x6E 144GB DDS-3	$3590

ExaByte 1/4" and 8mm

2501 Int.	1GB 1/4" Qic Mini-cart	$460
8505XLI Int.	7-14GB 8mm Tape	$1820

Network Products

3C250A/TX-3Com 100T 12Port Hub	$1190
FEE100TX8-Intel 100T 8Port Hub	$420
E108NS-Netgear 100T 8Port Hub	$360
3C19642A-3Com 10/100 12Port Switch	$2300
ES101TX-Intel 10/100 8Port Switc	$1990
FS508NA-Netgear 10/100 8Port Switch	$1190
3C905TX-3Com 10/100 PCI Ethernet	$75
Pila8650B-Intel 10/100 PCI Ethernet	$75



Gov't, University, Corporation and Firm's PO Welcome

- ❖Not Responsible for Type Errors
- ❖Price Subject to Change without Notice
- ❖Order for items not listed also Available

Fine Tec

780 Montague Expwy., Suite 206
San Jose, CA 95131 Tel: (408)943-9193
Our Web Site: www.finetec.com Fax: (408)943-9198

VISA MasterCard AMERICAN EXPRESS

every pixel of the screens. Much has been programmed in which is unnecessary to the development of the scenarios but a lot of fun anyway, and poking into every nook and cranny in search of interesting discoveries almost makes the plot superfluous.

"There are six scenarios to work through, each with its own set of puzzles and puns to solve. I started with Adventures of a Lovesick Vampire, which I never finished since my husband, also a major Callahan's fan, took over the keyboard when I went for another glass of water and he refused to surrender it, until I finally gave up and went to bed."

The Space Bar

Another tavern game comes from SegaSoft and is reviewed by Matt Elmore. He's is the deep voice you hear on KQED-TV between programs, an announcer on KQED-FM, and host of many computer conventions. He tried this game with his son, Nick.

"*The Space Bar* is an adventure game in which you take on the role of the lead character, Alias Node. Node is a human detective with the security force for Amalgamated Vacuum, a mining company that controls all aspects of life on Armpit VI, the planet where you're located. As you can probably tell, this game was developed by people with a sense of humor and with tongue planted firmly in cheek.

"The very beginning of the game shows a colleague, who has been investigating a theft, dying at the feet of you and your sidekick (who's abducted shortly after the game begins). Your job is to uncover the clues that not only solve your colleague's murder, but the abduction of your sidekick and the original theft as well.

"Much of the story takes place in a seedy dive called The Thirsty Tentacle, a bar located at Armpit VI's spaceport. Like most spaceports, it's occupied by many different species, and you'll have an opportunity to interact both verbally and physically with them throughout the game. Whatever your location throughout the game, you can pan through a 360-degree view, look up and down to a limited degree and move from one place to another. You can also handle objects that you encounter, examine them, stash them for later use or move them from one location to another.

"Through a personal digital assistant half-hidden at the bottom of the screen, you can communicate with others, take residue prints from objects and voice-prints from suspects, display a map of your location, log evidence and change system parameters for the game.

"Clues are everywhere...making sense of them is the tough part. Putting the clues to good use requires time, patience and a good memory for detail. The bar is divided into several different areas, each with a different theme, and an adjoining casino. The more you converse with certain characters, the more likely you are to enter into a state of empathy-telepathy with that

continued on page 59

BEST VALUE IN BARCODE

MICROSOFT ACCESS BASED TRACKING SOFTWARE FOR:
INVENTORY • DOCUMENTS • LABOR
ASSETS • CUSTOM MODULES

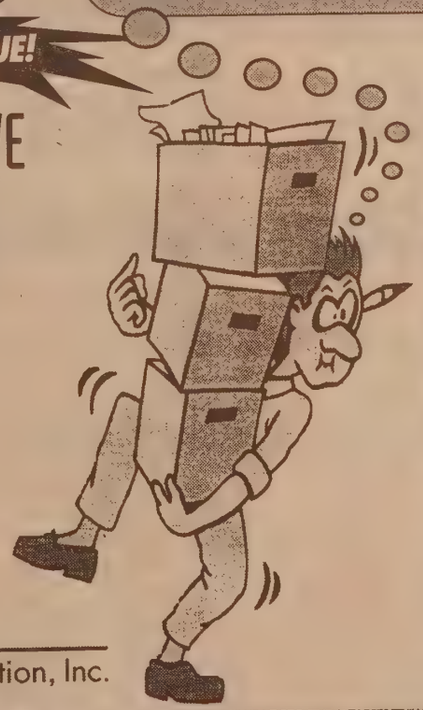
Since 1985, ***Input Automation*** has been a single source for all your barcode needs: Hardware, software, consulting, and system design. Our philosophy is based on two principles:

High quality industrial products, and the best technical support available.

I'm losing inventory!
Call INPUT AUTOMATION before I lose my mind!

FREE CATALOGUE!

COMPETITIVE DISCOUNT PRICING!



HARDWARE DISTRIBUTOR

SCANNERS:
CCD, Laser, Hand Held, Fixed Mount

DECODERS:
Keyboard, Serial, Integrated w/Scanner

PRINTERS:
Thermal Transfer and Supplies

PORTABLES:
Various Configurations, RF

Input Automation, Inc.

800-641-8607
www.inputauto.com/barcode
fax: 310-530-2849
DEALERS WELCOME!

Media-On™

Featuring Intel Pentium® Processor Based PC's

BUSINESS EXPERT

- AT Motherboard with 512K
- 32MB EDO SIMM
- 3GB EIDE Hard Drive
- 24X CD-ROM
- 16-Bit Sound Card
- Mini AT Case (235 Watt)
- Megabyte 3D w/2MB RAM
- Keyboard & Mouse
- 80 Watt Speakers
- Intel Pentium® Processor with MMX™ Technology

166MHz . . $699
200MHz . . $799

MULTIMEDIA EXPERT

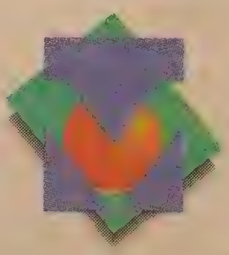
- ATX Motherboard with 512K
- 32MB EDO SIMM
- 3GB EIDE Hard Drive
- 24X CD-ROM
- 16-Bit Sound Card
- MID ATX Case (235 Watt)
- S3D w/4MB RAM
- Keyboard & Mouse
- 80 Watt Speakers
- 56K Modem
- Win95 & McAfee Virus Scan
- Intel Pentium® Processor with MMX™ Technology

166MHz . . $975
200MHz. . $1075

GRAPHIC EXPERT

- Intel AN430TX Motherboard
- 32MB SDRAM DIMM
- 3GB EIDE Hard Drive
- 24X CD-ROM
- YAMAHA Wavetable
- MID ATX Case (235 Watt)
- 3DFX w/6MB EDO
- Keyboard & MS Mouse
- 200 Watt Speakers
- 56K Modem
- Win95 & McAfee Virus Scan
- Intel Pentium® Processor with MMX™ Technology

166MHz. . $1299
200MHz. . $1399



47257 Fremont Blvd. Fremont CA 94538
Tel: 510-490-7998 Fax: 510-490-8286

"At *an* EXTREME Price"

EXPERT II	EXPERT PRO
Intel AL430LX Motherboard	Intel AL430LX Motherboard
32MB SDRAM DIMM	64MB SDRAM DIMM
3GB EIDE Hard Drive	4GB Ultra DMA Hard Drive
24X CD-ROM	30X CD-ROM
YAMAHA Wavetable	YAMAHA Wavetable
MID ATX Case (235 Watt)	MID ATX Case (235 Watt)
4MB AGP Card	4MB AGP Card
Keyboard & MS Mouse	Keyboard & MS Mouse
200 Watt Speakers	200 Watt Speakers
56K Modem	56K Modem
Win95 & McAfee Virus Scan	Win95 & McAfee Virus Scan
Intel Pentium® II Processor	Intel Pentium® II Processor
233MHz. . $1669	**300MHz. . $2339**
266MHz. . $1799	
300MHz. . $1999	

UP GRADE OPTIONS

Sony 17" Monitor	629
Hitachi 19" Monitor	1199
100MB ZIP Drive	149
Pentium® 233 MHz w/MMx™	399
4.5GB SCSI HD	459
6GB EIDE	399
24X CD-ROM	99
Adaptec 2940 controller	199

for details, visit us on-line at
www.mediaon.com

intel inside
pentium PROCESSOR

Beat The Holiday Rush!

CLS Inc. is ready to provide your businesses with the office systems you need during the Holiday Season. Choose from our professional, Executive, Home Office or our Holiday Special. Give us a call today!

PROFESSIONAL OFFICE SYSTEM

- ATX Medium Tower Case w/235–Watt Power Supply
- ASUS LX97 Pentium® II Motherboard
- 64MB SDRAM
- 1.44MB Floppy Drive
- 8.4GB EIDE Hard Drive
- 104 Keyboard for Win 95
- Diamond Viper PCI w/4MB SGRAM
- Sound Blaster AWE 64 Sound Card
- 24XI CD-ROM Drive
- Internal 56.7K Fax/Modem
- Microsoft Win 95
- External Stereo Speaker, Serial Mouse
- 17" SVGA Color Monitor, 0.26DP NI

Intel Pentium® II 233MMX . . $2199
Intel Pentium® II 266MMX . . $2299
Intel Pentium® II 300MMX . . $2699

EXECUTIVE OFFICE SYSTEM

- Pentium® Motherboard w/512KB Cache
- Mid Tower Case w/230–Watt Power Supply
- 64MB EDO RAM
- 1.44MB Floppy Drive
- 4.3GB EIDE Hard Drive
- 104 Keyboard for Win 95
- Diamond Stealth 3D 2000 w/4MB DRAM
- Sound Blaster AWE 64 Sound Card
- 24XI CD-ROM Drive
- Internal 56K Fax/Modem w/Voice
- Microsoft Win 95
- External Stereo Speakers, Serial Mouse,
- 17" SVGA Color Monitor, 0.28DP, NI

Intel MMX 233Mhz $1549

HOME OFFICE SYSTEM

- Pentium® Motherboard w/512KB Cache,
- Mid Tower Case w/230–Watt Power Supply
- 32MB EDO RAM
- 1.44MB Floppy Drive
- 3.5GB EIDE Hard Drive
- 104 Keyboard for Win 95
- PCI Graphic Accelerator w/4MB DRAM
- 16–Bit Sound Card
- 24XI CD-ROM Drive
- Internal 56K Fax/Modem w/Voice
- Microsoft Win 95
- External Stereo Speakers, Serial Mouse
- 15" SVGA Color Monitor, 0.28DP, NI

Cyrix MX-PR 200/
AMD K6-PR200 MMX $999
Intel MMX 200MHz $1049

HOLIDAY SPECIAL!!

- Pentium® Motherboard w/512KB Cache
- Mid Tower Case w/230–Watt Power Supply
- 32MB EDO RAM
- 1.44MB Floppy Drive
- 2.5GB EIDE Hard Drive
- 104 Keyboard for Win 95
- PCI Graphic Accelerator w/2MB DRAM
- 16–Bit Sound Card
- 20X CD-ROM Drive
- Internal 33.6K Fax/Modem w/Voice
- Microsoft Win95
- External Stereo Speakers, Serial Mouse
- 15" SVGA Color Monitor, 0.28DP, NI

Cyrix MX-PR166/AMD K6-166 /
Intel MMX 166. . . . . $899

MONITORS

Sampo 15" SVGA N.I. 0.28 . . . . . $195
Sampo 17" SVGA N.I. 0.28 . . . . . $399
Shamrock 15" SVGA N.I. 0.28 . . . . . $195
Shamrock 17" SVGA N.I. 0.26 . . . . . $429
Princeton 17" SVGA N.I. 0.28 . . . . . $469

CPUs & MEMORY

INTEL, AMD, CYRIX . . . . **CALL**

72 PMS, 8MB, 16MB, 32MB. . . . . **CALL**

PENTIUM® CPU Fan. . . . . **starts at $4**

CASES

Mini Tower Case w/230 Watt Power Supply $22
Mid Tower Case w/230 Watt Power Supply $28
Medium Tower Case w/230 Watt Power Supply $38
Full Tower Case w/ 230 Watt Power Supply $69
ATX Medium Tower Case w/230 Watt ATX Power Supply $69

MOTHERBOARDS

ASUS TXE/VX 97 w/ 512K Cache $149/95
Intel Triton VX/TX Pentium® Motherboard w/512K Cache $69/79
Pentium® VX Pro/TX Pro Motherboard w/512K Cache $65/75
FIC PA 2007 Pentium® Motherboard w/1MB Cache $109
ASUS Pentium® II P2L97 Motherboard. $185

VGA CARDS

Trident 9680 PCI-2MB $29
S3-Virge 3D 64 PCI-2MB $39
Diamond Stealth 64 3D 2000 PCI -2MB . . $59
Diamond Viper V330 w/4MB SGRAM. . . $169
Matrox Mystique II PCI 2MB/4MB . . . . . Call
Diamond Stealth 2500 PCI 2MB $38
Trident 9685 PCI 4MB $49
Diamond Stealth 64 3D 3000 PCI 4MB $138
ATI 3D Expression 4MB DRAM. $89

HARD DRIVES

1.2GB / 1.7GB. . . . . Call
2.1GB / 2.5GB. . . . . Call
3.1GB / 4.3GB. . . . . Call

MULTIMEDIA

ESS 1869 3D Stereo Sound Card 16 PnP. $15
Creative Labs Sound Blaster 16/32 PnP/AWE64V. . . . . $45 / 75/79
24XI CD-ROM. $74
Yamaha M7 / M15 Speakers . . . . . $45 / 65
OEM 60W / 200W / 240W / 320W Stereo Speakers. . . . . $8.99 / 21.99 / 26.99 / 27.99

FLOPPY DRIVES

1.44 MB Mitsumi $18
1.44 MB TEAC. $21

NETWORK CARDS

ISA/PCI Ethernet Combo $18/25
3COM 3C509 TPO/Combo $79
3COM 3C905 TX PCI. $69

KEYBOARDS

104 Key Windows 95 Keyboard. $9.99
Focus 7200 with Trackball Keyboard $29
Keytronic 104 Win 95 Keyboard $19

MODEMS

Internal 33.6/56K Fax/Modem w/Voice $49/79
US Robotics 33.6K Fax/Modem w/Voice (OEM) $99
US Robotics 56K Fax/Modem (OEM) $139
US Robotics 56K Fax/Modem w/Voice (OEM) $149

CLS INC.

510.354.0835
Fax: 510.440.9566
48521 Warm Springs Blvd., Suite 317,
Fremont, CA 94539
Store Hours: Mon-Fri 10:00am to 6:00pm

Windows™ is a registered trademark of Mircrosoft Corporation. All systems come with 12-month parts & labor warranty. *Not responsible for any typographical error occurrences. Prices are subject to change without notice. •All prices shown are good for cash purchases only.

SOHO Ho Ho... *continued from page 55*

character. These 'emp-tel' states are like small adventure games of their own, with their own story and challenges. When you complete each of these flashbacks, you will learn a clue that will help you solve the mystery that faces you back in The Thirsty Tentacle.

"Sound easy? I've played the game five times over a period of several hours each since I received the review copy. I've interviewed more than a dozen different characters and had 'emp-tel' flashbacks with a third of them. I've located another dead body in the bar. I still haven't been everywhere in the bar, and don't feel as if I'm much closer to solving the case than I was when I began (though I'm suspicious as hell of one or two creatures).

"This SegaSoft game runs on both Windows 95 and Macintosh. The minimum requirements for Windows 95 is a Pentium 75, 16MB RAM, 16-bit SVGA graphics, 4x CD-ROM drive, a Direct-X compatible sound card and a Microsoft-compatible keyboard and mouse. Mac users will need at least a Power PC 6100, System 7.5 or better, 4x CD ROM, 16MB RAM and a color monitor. The game comes with three discs, and you'll find yourself swapping disks with some regularity. I found this really interrupted the flow of the game and lessened my enjoyment after a while.

"If your hard drive has the free space (622MB) you can load most of disk 2 (the bar) and cut down on the number of swaps. I was able to do this, and it made a small difference. I was surprised (and just a little disappointed) to find that I needed to reduce my display setting to 640 x 480 pixels in order to play *The Space Bar*. Still, the graphics were well done. Considering most of the game takes place in a dingy bar, all but a few of the locations were reasonably bright and easy to see.

"If you're as near clueless as I am, SegaSoft has set up a 900 hints and tips telephone line (at 95¢ per minute). I refuse to call a 900 number on general principle, so I conceivably could be trying to solve this case well into the next century, or until the suspect uses the spaceport to flee Armpit VI (whichever comes first)." ■

Copyright © 1997 by Birrell Walsh. All rights reserved.

Resources:

***The Space Bar*, $49.95**
***Lose Your Marbles*, $19.99**
SegaSoft
URL: *http://www.segasoft.com*
1-888-734-7638
***Creatures*, $39.99**
***Callahan's Crosstime Saloon*, $19.99**
Mindscape
URL: *http://Creatures.mindscape.com*
1-800-234-3088

AAA MEDIA, INC
YOUR BACK-UP SOLUTION SPECIALIST

TOLL FREE! 888-262-6291

888-AAA-MEDIA

TEL: 818-718-9625
FAX: 818-718-9626

▲ http://www.aaamedia.com ▲ e-mail-sales@aaamedia.com

PRICES SUBJECT TO CHANGE

4 MM DAT

SPECIAL!
WD-3100 EXT 2 GB $517

***WANGDAT-3100**	**2 GB**	**$517**
***ARCHIVE 4322**	**2-4 GB**	**$573**
HP C1533A	4-8 GB	$797
AIWA GD-8000	4-8 GB	$667
***CDT 8000**	**4-8 GB**	**$797**
SONY SDT 7000	**4-8 GB**	**$927**
SONY SDT 9000	**12-24 GB**	**$1077**

* INCLUDES EXTERNAL PKG.

AUTOLOADER

HP'S INDUSTRY LEADING AUTOLOADER

***ARCH. 4584**	**16 GB**	**$797**
ARCH. 4592	20 GB	$797
ARCH. 4586	(48-96 GB)	$1027
***HP C1553**	**24-48 GB**	**$1797**

* INCLUDES EXTERNAL PKG.

8MM EXABYTE

EXB 8200	2-3 GB	$397
***EXB 8205XL**	**2.3-7 GB**	**$1127**
EXB 8500	**5 GB**	**$897**
EXB 8500C	5-10 GB	$997
EXB 8505	5-10 GB	$1227
EXB 8505XL	7-14 GB	$1577
***EXB 8700**	**14 GB**	**$795**
EXB 8900	20-40 GB	$3427
SONY SDX-300/C	25-50 GB	$3237

* INCLUDES EXTERNAL PKG.

HARD DRIVE

SEAGATE ST12550N 2.1 GB SCSI 3.5" HH	$CALL
SEAGATE ST15150N 4.3 GB SCSI 3.5" HH	$CALL
QUANTUM QM34550ALW 4.5 GB U WIDE 3.5" LP	$CALL
MICROPOLIS 1991 A/V 9.1 GB SCSI 5.25" FH	**$CALL**
SEAGATE ST19171W 9.1 GB F WIDE 3.5" HH	$CALL

OPTICAL DRIVE

VALU ADD-ON SONY AUTOMATIC OPTICAL CLEANER W/ ANY 1.3 GB PURCHASE ONLY $67

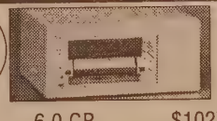
FUJITSU 2512A	230 MB	$327
***HP C1716C**	**650 MB**	**$697**
SONY E501	650 MB	$797
MAXOPTIX T-2M	1.0 GB	$697
***HP C1716T**	**1.3 GB**	**$997**
MAXOPTIX T-3	1.3 GB	$CALL
SONY SMO-F521	**1.3 GB**	**$997**
HP C1113F	2.6 GB	$1857
***MAXOPTIX T-4**	**2.6 GB**	**$1387**
SONY SMO-F544	**2.6 GB**	**$1697**

* INCLUDES EXTERNAL PKG.

SPECIAL! C1716C OPTICAL DRIVE 650 MB $697

QUANTUM DLT

HIGH PERFORMANCE BACK-UP!



DLT 600	6.0 GB	$1027
DLT 2000	10-20 GB	$2077
DLT 3000/20XT	15-30 GB	$2327
DLT 4000	20-40 GB	$3026
DLT 7000	35-70 GB	$6927

9 TRACK

HP-07980	LOW PRICES!	$CALL
HP-88780		$CALL
CIPHER M995		$CALL
M4 9914		$CALL

3480 / 3490 / 3990E

MP 3436	DEAL!	$CALL
STC-4220/4280		$CALL
ODI T/C-490		$6326

MEDIA

4MM 60/90	$5.25/4.25
4MM 120	**$13.00**
8MM 54/112	$3/5.50
8MM 160	$10.50
DLT IIIXT	**$CALL**
DLT IV	$CALL
CDR 74 M	$2.50
ZIP 100	$11.50

KAO 3M FUJI TDK

OPTICAL

1024B/S 1.3 GB	HP SONY MAXELL	**$37.00**
1024B/S 2.6 GB		$55.00

LIBRARIES

ADIC 1200	24-96 GB 4MM	$2497
EXB 10i	**50 GB 8MM**	**$1990**
EXB 10H	150 GB 8MM	$3697
DLT 4700	**280 GB DLT**	**$7427**
HP 20XT OPT.	20 GB	$2127

LARGEST DISTRIBUTER OF STORAGE PRODUCTS ▲ BEST PRICE & PRODUCT ▲ GOVERNMENT, SCHOOL PO'S, QUANTITY ORDERS WELCOME ▲

▲ ALL DRIVES INCL NOVABACK SOFTWARE ! ▲ FOR EXTERNAL PACKAGE ADD $98 FOR ALL HALF-HEIGHT / $115 ALL FULL-HEIGHT ▲

Santa On The Net

Digital Communications With The North Pole

By Jill Barnes

Forget about sending that most important letter to Santa via snail-mail. If you have access to the Internet and email, your wish list to that jolly old elf at the North Pole is just a click away. And you don't have to be a kid to send one, or receive one.

This holiday season there are lots of sites out there to put you in the Christmas spirit with games, stories, and holiday music. You can almost smell the pine needles on that perfect tree. In fact, there are places to find that perfect tree.

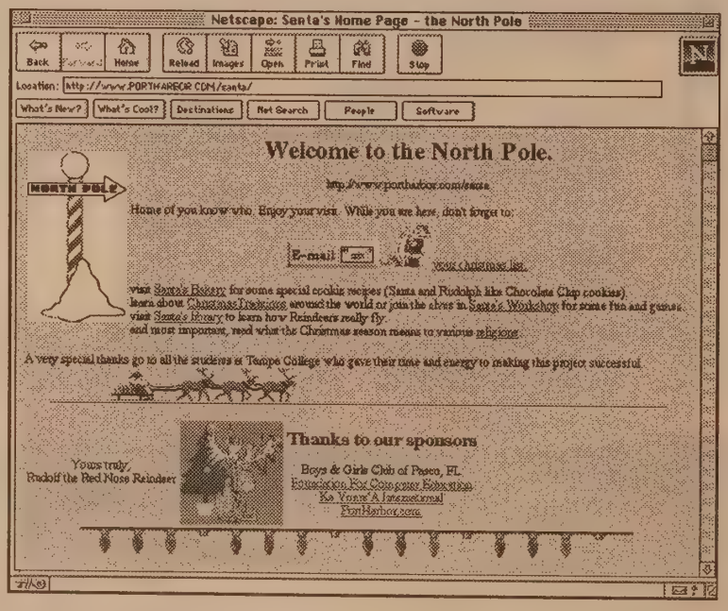
So, if you've been a good little girl or boy, let's take a sleigh ride through the numerous Santa Web sites.

• **Santa's Page** *(www.cris.com/santa)* is among the most fun sites. Visitors can email Santa, do puzzles, print out pictures to color, sing along with Rudolph. In its related Santa Links, you can find a countdown to Christmas, open an Advent Calendar, and send Internet Christmas cards—as well as Hanukkah cards.

There is one annoying thing about this site. If you click on the Christmas Carol icon, that brings you to another Santa site called **Season's Greetings** *(home.concentric.net/santa/pj)*. The page opens to a hearty "Ho-Ho-Ho, Merry Christmas and have a Happy New Year."

This is fine for the first two or three Ho-Hos, but you can't get it to stop unless you click on one of the Christmas songs. There are about a dozen songs, and each almost instantly downloads. The site does offer free email to Santa, and other Christmas links.

• **Welcome To The North Pole** *(www.portharbor.com/santa)* also has free email to Santa, plus lots of extras. You'll find cookie recipes, an activity page with word search, stories, and Christmas traditions around the world.



I enjoyed finding out that the Netherlands' tradition says Santa Claus (or Sinterklaas) comes by boat, and in Denmark, you leave Santa rice pudding as a snack instead of cookies. There's also a section about what the Christmas season means to the various religions.

• **Homepages For The Holidays** *(www.merry-christmas.com)* offers email and lets you browse sections called Christmas at the Movies, which gives brief summaries of some twenty flicks. Visitors also can print out pictures to color, as well as printable Christmas art.

Santa's Site On The Internet *(santa.bx.com)* makes you catch Santa and his sleigh before you can move on, (And he moves rather quickly). Free email is available, plus a half-dozen other related Christmas pages including snacks Santa likes (so you'll know what to leave on Christmas Eve), puzzles, stories and games.

• If you did a search under "Santa's Workshop" you'd come up with a number of hits. I'll call this one **Santa's Workshop 1** *(home1.gte.net/santa)*. It's a multi-language site—you can read it in English or click to German, French, Spanish or Portuguese. There's free email and a chat room with Santa. There are also sections on what's going on in the workshop, how to buy the perfect Christmas tree, and pictures from friends.

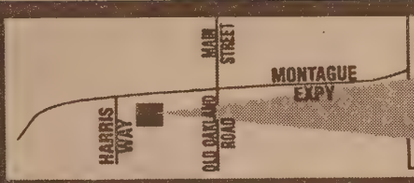
• **Santa's Workshop 2** *(members.aol.com/santaswrksp/index.html)* offers personalized letters from Santa for a $2.50 fee, along with a form to have Santa call your child. It's $5, $2 for each extra child and a $1.50 long-distance charge if you're not local to the Salt Lake City area where the site is based. And while you decide, pleasant holiday music plays.

• Maybe **Santa's Workshop South** *(wahoo.netrunner.net/~covers/santa)* should have been called "Greetings from the South Pole." It's a fun site welcoming guests to Santa's other workshop in sunny Florida. Supposedly Santa spends a lot of time there because "being several centuries old, his joints can't take the harsh cold like they used to, but he stays in touch with his elves at the North Pole using the latest technology." You can read Christmas stories, get Mrs. Claus' cookie recipes, or send away for a personalized letter from Santa.

• At **Santa's Cybermall** *(cyspacemalls.com/santa)*, there's free email, or you can design your own Christmas Card/Web site for $9.95. Choose from different holiday graphics and backgrounds, then add messages that friends can access via the Web. I guess if you add the price of regular holiday cards and postage, your personal Christmas Web page

continued on page 218

We've Moved!



OUR NEW LOCATION
2350 HARRIS WAY
SAN JOSE

Store Hours: Mon - Fri: 9:00AM - 6:00PM • Sat: 10:00AM - 4:00PM

Intel Pentium II @ 233/266 /300

INTEL Pentium II 233/266/300Mhz
Portland Model PD440FX
64MB of RAM 60ns EDO
Mitsumi 24X EIDE CDROM Drive
Sound Blaster 64 AWE
Maxtor 5.1 GB Hard Disk IDE
Heat Sink And Fan for CPU
Matrox 4MB Mystique SGRAM
Keytronic 104 Enhanced Keyboard
Tower Case ATX w/ PS2 Bus Mouse
TEAC 1.44 MB - Microsoft Mouse

1,940 / 2,040 / 2,540

Pentium Pro® 150/180/200MHz

Intel Pentium Pro 150/180/200Mhz
Intel Venus Model VS440FX
64MB of RAM 60ns (72 Pin SIMM)
Mitsumi 24X EIDE CDROM Drive
Sound Blaster Pro 16 Bit
Maxtor 5.1 GB Hard Disk IDE
2 HS COM Port, 1P Built-in
Maxtrox 4MB Mystique SGRAM
Keytronic 104 Enhanced Keyboard
ATX Tower Case w/ 250 P.S
TEAC 1.44 MB - Microsoft Bus Mouse

1,480 / 1,610 / 1,985

INTEL 100/133/200/200M/233M

INTEL P5 100/133/200/200/233MMX
Intel LoneTree w/ 256 kcache
32MB of RAM 60ns (72 Pin SIMM)
Mitsumi 24X EIDE CDROM Drive
Sound card 16 bits
Seagate 2.1 GIGABYTE Fast IDE
2 HS COM Port, 1P Built-in
Diamond 64 PCI w/ 2MB Dram
Keytronic 104 Enhanced KB
Middle Tower Case w/ 230 PS
Teac 1.44 MB - Microsoft Mouse

890 / 910 / 1,020 / 1,090 / 1,240

Pentium® 100/133/200/200 /233M

Intel P5 100/133/200/200M/233M
15ns PipeLine , Triton Chipsets
16MB of RAM 60ns (72 Pin SIMM)
Mitsumi 16X EIDE CDROM Drive
Opti 16 Bit Sound Card PNP
Seagate 1.2 Gigabyte Hard Disk
IDE PCI W/ High Speed I/O
Diamond 64 w/ 2MB of Ram
Keytronic 104 Enhanced Keyboard
Middle Tower Case w/ 230 PS
Teac 1.44 MB - Microsoft Mouse

740 / 760 / 870 / 920 / 1,050

AMD K5 100/133/200/233MMX

AMD K5 100/133/200MMX/233MMX
15ns PipeLine , Triton Chipsets
16MB of RAM 60ns (72 Pin SIMM)
Mitsumi 8X EIDE CDROM Drive
Opti 16 Bit Sound Card PNP
Seagate 1.2 Gigabyte Hard Disk
IDE PCI W/ High Speed I/O
Diamond 64 w/ 2MB of Ram
Keytronic 104 Enhanced Keyboard
Middle Tower Case w/ 230 PS
Teac 1.44 MB - Microsoft Mouse

680 / 720 / 890 / 970

Basic AMD 486DX4-100 ™

Dash AMD 486DX4-100Mhz VLB
256KB Cache MotherBoard
4MB of RAM 70ns
IDE VLB 2HD/2FD w/ 2S/1P/1G
TEAC 1.44 MB Floppy Drive
IDE 1.2 GB IDE Hard Disk
Cirrus Logic VLB 1MB
101 Enhanced Keyboard
Mini Tower Case w/ 230 Watt P.S.
Microsoft Compatible Mouse
Scocos 14" SVGA 1024x768

4DX4-100 $620

Perfect Gift 486DX2-80VLB

Dash AMD 486DX2-80Mhz VLB
256KB Cache MotherBoard
4 MB of RAM 70ns
IDE VLB 2HD/2FD w/ 2S/1P/1G Port
TEAC 1.44 MB - Hires Mouse
Maxtor 540 IDE Hard Disk
Cirrus Logic VLB 1MB (no monitor)
Mini Tower Case + 101 KeyBoard

Wow! $ 520

NoteBooks

8MB of RAM (expanded to 32MB)
Large 11.3" Viewable Screen Size
Built-in Sound + Speaker + CDROM
Free Carrying Case
1.0GB MB Hard Disk
Built-in Pointing Device

* P5 - 75 (Dual Scan)	$ 1,920
* P5 - 100 (Dual Scan)	$ 1,950
* P5 - 133 (Dual Scan)	$ 2,040
* P5 - 160 (Dual Scan)	$ 2,120

HARD DRIVES

Seagate 850MB (ST3850A)	$125
1GB/1.3GB Notebook Hard Disk	$240/260
1.2 Gigabyte Seagate /WD Fast IDE	$145
1 7 Gigabyte Fujistu Fast IDE	$185
2.1 Gigabyte Seagate Fast IDE	$195
2.5 Gigabyte Western Digital Fast IDE	$225
3.1 Gigabyte Wester Digital Fast IDE	$245
4 0 Gigabyte Western Digital Fast IDE	$285
5.1 Gigabyte Maxtor Fast IDE	$395
2.0GB MB SCSI-2 Quantum 32110s	$325
4.3GB MB Quantum Ultra SCSI	$865
9.0GB MB Seagate (Barracuda)	$1650

CDROMS

Toshiba/Mitsumi 8X CDROM EIDE	$75
Mitsumi 12X CDROM EIDE	$85
Mitsumi 24X EIDE CDROM	$95
Addonics 8X Portable Parallel	$220
Toshiba 12X SCSI-II CDROM	$170
Sound Card 16/64AWE	$55/95

MOTHERBOARDS

ALL INTEL CPU PLEASE CALL	$CALL
ALL INTEL MB PLEASE CALL	$CALL
CLONE TRITON CHIPSET w/PL	$CALL
INTEL / ASUS Dual Pentium Pro	$CALL
INTEL Tuscon/Venus Pentium Pro	$CALL
INTEL Venus Pentium Pro	$CALL
486 VLB/ISA Opti 256K MB only	$CALL

PRINTERS

Panasonic 3123 /24pin	$259
Epson stylus color 400/600/800	$238/299/425
HP Deskjet 692C/820Cxi/870cxi	$299/390/485
HP Laserjet 5Li/5/5N/6P	395/1235/1465/745

FLOPPY/REMOVABLE/TAPE

TEAC 1 2MB 5.25	$35
TEAC 1.44MB 3.5	$25
TEAC Dual Floppy Drive 1.2 & 1 44MB	$80
IOMEGA JAZ 1GB SCSI Int/Ext	$275/450
IOMEGA ZIP 100 SCSI/Parallel Int	$145
Colorado T1000/T3000 850MB/3 2	140/190

NETWORK CARDS

3COM / INTEL	
3C509-16 Etherlink III 16 bit coax/TP	$CALL
3C509-16 Etherlink III 16 bit COMBO	$CALL
3C590 Etherlink III PCI TP/Combo	$CALL
3C595-TX 10/100 PCI TP	$ CALL
Intel EtherExpress 16 bit TP	$ CALL
Intel EtherExpress PCI 10/100 TP	$ CALL
HUB (HP/3COM/Intel/CISCO)	
Hub 8/12/16 Port TP	$CALL
Intel EtherExpress 16 bit TP	$CALL
Intel EtherExpress PCI 10/100 TP	$CALL
Windows NT Server /Workstation 3.51	$CALL

SCANNERS

MICROTEK Scan Maker II w/OCR	$395
HP ScanJet 4C Color w/ Kit	$890

SOFTWARES

Windows 95 Full Version (w/Systems)	$85
Microsoft Dos 6 22 (sale w/ systems only)	$35
Microsoft Windows 3 1(w/ systems only)	$43
Microsoft Windows WFG (w/ systems only)	$54

MONITORS

EYE-Q Mono Monitor 14"	$89
Hyundai / Acer 14" Monitor	$185
Hyundai / Acer 15" Monitor	$245
NEC XV 15"+ 1024x768 76HZ	$370
NEC M700 1280x1024 .25 NI	$760
Acer 17" Non-interlace monitor	$525
Proton GM1764 Flat 1280x1024	$525
Viewsonic E641 14" non-interl	$235
Viewsonic 15GS 15" 0.28 1280x1024	$360
Viewsonic 17PS 17" 0.25DP	$675
Viewsonic 17GS 17" 0.28P	$560
Viewsonic PT813 21" 1600x1280 .28	$1565
Mag DX15T 15" 0.26DP	$360
Mag DX 1795 17" 0.28DP SVGA Monitor	$560
IIYAMA MF-8617e 1600x12000 26	$590
Nokia 447 L 1024x768 Flat/Digital	$740
SONY CPD-100SF 15" 1280X1024	$370
SONY CPD-200SX 17" 1280X1024 .25	$675

VIDEO CARDS

NEW 3D Graphics Card w/ Sound Built	$125
NEW VIDEO MPEG	$135
Genoa 2MB PCI w/ 2MB	$45
Cirrus Logic VLB 1MB	$60
Matrox Millennium 2MB/4MB 3D	$185/285
Matrox Mystic 2MB/4MB	$115/145
Diamond 3D Monster 4MB	$230
ATI 3D Expression 2MB PCI Dram	$125
ATI 3D Expression 4MB PCI/PC2TV	$175
ATI PRO TURBO 4MB/8MB	$200/280
Diamond 3D 3000 4MB VRAM	$230
Diamond 2500 1MB DRAM	$59
Diamond 2500 2MB DRAM	$75
#9 FX MOTION 771 VRAM 4MB	$300
#9 FX MOTION 771 VRAM 2MB	$180
#9 REALITY 3323D DRAM PCI 2MB	$110
#9 IMAGINE 128 4MB	$330

FAX / MODEM

Zoltrix 14.4 Fax/Modem	$45
Zoltrix 28.8K V.34 BIS Fax/Modem	$90
SMART 28.8K V 32 bis, V.42 bis I/E	$90/135
US Robotics Sportster Winmodem 28 8	$85
US Robotics Sportster 33.6/56	$115/185
Motorola Bitserfer PRO ISDN Modem I/E	$298/325
US Robotic Sporter 56k I/E	$180/199

MISCELLANEOUS

Simms Saver Adapter from 32Pin to 72Pin	$29
Dash DC-2000 VLB IDE& I/O	$35
Dash VLB IDE & I/O Supon 2.88FDFast	$40
Conner CNR-4320 2 Gbyte tape Backup	$745
Conner CNR-4324 4 Gbyte tape Backup	$850
Promise DC-4030VL IDE VLB CACHE	$105
Logitech Mouse Man serial	$35
Adaptec 1542C/1542C Kit SCSI	$145/180
Adaptec 2940 PCI SCSI-2 w/ Kit	$185/$215
Digitizer Summasketch 12x12, 4 Button	$270
Keytronic 104 Keyboard	$35
Focus 2001/9000 Enhanced KB	$43/53
Megahertz PCMCIA XJ2144 FAX	$245
Xircom PCMCIA 10BaseT Card	$230
Power Supply 250 Watt For Tower case	$40
APC-600 Smart-UPS	$360
APC-400 Smart-UPS	$290
PowerChute Software for UPS	$75
Microsoft Mouse (sale w/ System)	$35

BAY COMPUTER

2350 Harris Way • San Jose, CA 95131
Tel: (408) 954-9600 • Fax: (408) 943-9292
EMAIL: Baycomno1@aol.com

Pentium is a registered trademark and IntelDX2 and IntelDX4 are trademarks of Intel Corporation.

Text-Based Adventures

Low-Tech Is Not Low-Fun

By Robert Eidswick

"You are standing at the end of the road before a small brick building..."

Those words are from a public domain text adventure game called *Adventure*.

"Why text?" you might ask.

Back when all they had were huge mainframe computers, somebody decided to program a simple story into a game format, probably out of boredom. Since they didn't have any graphic capability back then, they used text to describe what the imagination could see. Authors, of course, have been doing that ever since the invention of written alphabets, and quite well, judging from the amount of fiction out there.

Adventure And Its Offspring

Adventure, aka *The Colossal Cave*, was translated from FORTRAN into BASIC, so that when the first microcomputers computers were designed, they could run it. Back then, it was a major achievement, since the BASIC language was even more limited than its current version. Nowadays, *Adventure* is available on virtually every computer, and in several different versions with added rooms, and treasures.

Adventure in Humongous Cave—the newest one—is a shareware program, based on the original 350-point version. It is currently only available for IBM-compatible machines. It has over 300 locations to explore, 1000 points, and 200 creatures, treasures and puzzles. It has a very large vocabulary and the capacity of understanding fairly complex sentences.

If you send in the registration fee, you get either the latest update of the program, or a very comprehensive walkthrough for those of us who require some assistance with the game. If you like to solve a good game, I would recommend this one very highly.

The author has also developed another program that will enable you to develop your own adventure game, if you wish to try.

The Adventure Game Toolkit (AGT) is very simple to use and can be used by programming novices or even by non-programmers to create very professional text adventures similar to those from firms like Infocom. Versions of the Classic Edition are available for IBM, Macintosh, Atari ST and Amiga computers; games created on any of these computers can be re-compiled and played on any of the other computers. The Classic Edition is still supported and available from Softworks as Shareware for only $20 (or $40 including a 227-page printed manual with lots and lots of detailed examples).

The Master's Edition contains all the features and capabilities of the Classic Edition plus a whole lot more. It is totally compatible with the Classic Edition; games originally developed for the Classic Edition can be easily converted to and used with the Master's Edition.

Available only for PCs, the Master's Edition is aimed at the more sophisticated and experienced programmer/game designer. It allows you to create games approximately twice as large as those possible using the Classic Edition. Plus, your games can have optional graphic illustrations, sound effects, music, pop-up hints, unique fonts (EGA or VGA screens only), and a customizable "look-and-feel" user interface including a menu-driven player input option.

You can obtain the shareware version of the Adventure Game Toolkit via several sites (see Resources).

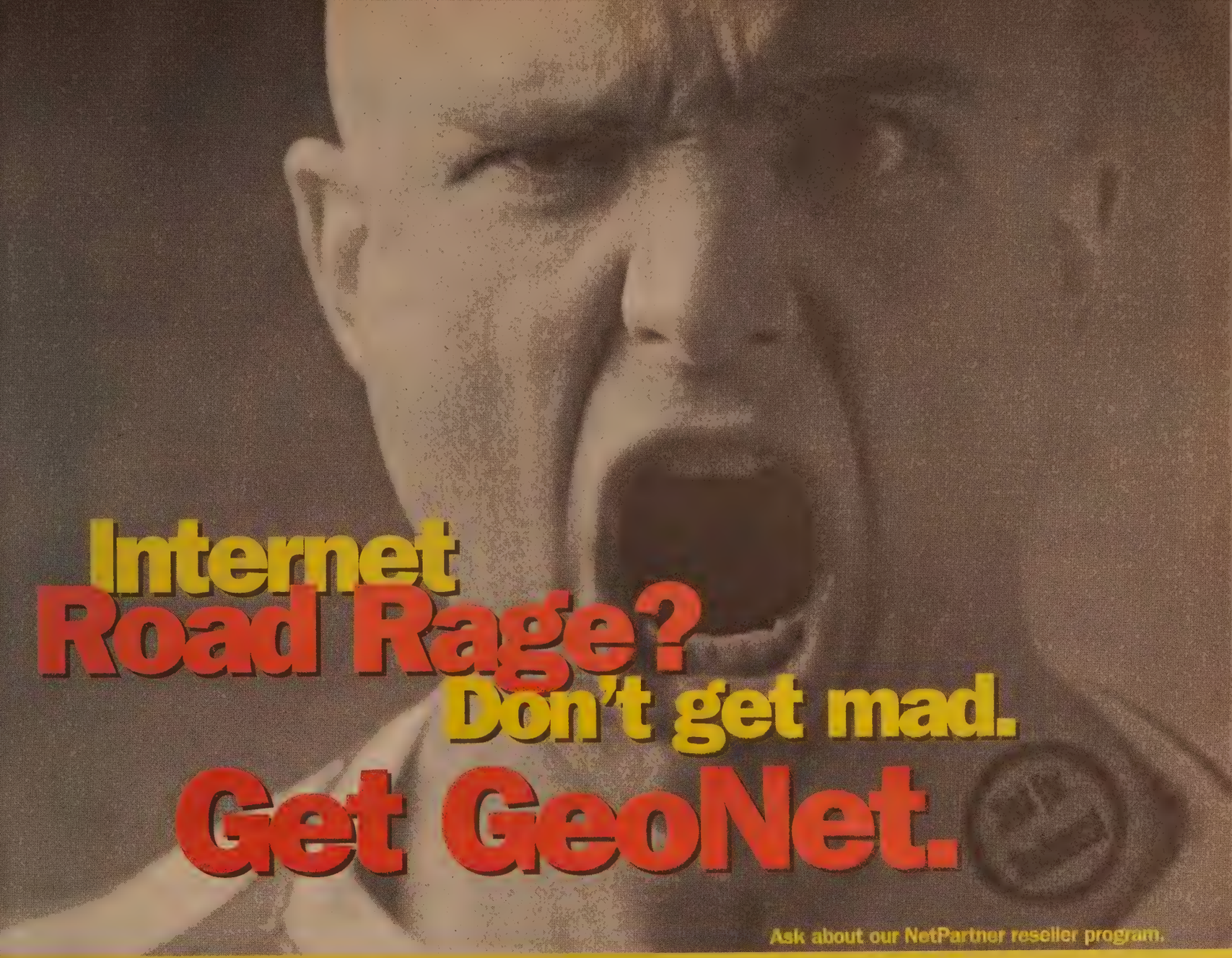
Back when all they had were huge mainframe computers, somebody decided to program a simple story into a game format, probably out of boredom. Since they didn't have any graphic capability back then, they used text to describe what the imagination could see.

The Zork Family

Several excellent text games are commercially available from Infocom. One or two of these have the best command structure I have ever used, and even rival *Humongous Cave* as great programs.

Zork I, II & III are great, story-wise. The

continued on page 220



FREE T1 Internet account activation. FREE Cisco equipment use. And screamin' T1 speed for just $1,195 a month!

Get screamin' T1 Internet access for your business at an unbeatably low price – just $1,195 a month for all the speed you can handle. Sign up for a **GeoNet** T1 today and we'll give you **FREE** account activation, **FREE** equipment use, and conduct a **FREE** security audit of your network.* That's a savings of $2,500, just for signing up!

Of more than 4,000 ISPs in the country, **GeoNet** is one of only 30 Tier 1 providers offering **direct** access to the Net. Don't suffer a slow-poke, dial-up, stop-and-go connection to the Net a minute longer. Call **GeoNet** today.

Need a little more? Try a T3 at up to 45 Mbps.
Need a little less? Ask us about Frame Relay.

GeoNet vs. other Tier 1 Providers – The facts:

- **GeoNet** has officially been clocked at ***twice the speed*** of the average T1 connection for all Tier 1 providers across the country.
- **GeoNet** costs an average of ***$800 a month less*** than other Tier 1 providers.
- **GeoNet** was ranked the ***#1 price/performance value*** for T1 Internet access in all of Northern California!

Business Internet Connections. Web Hosting. www.geo.net

GeoNet Communications

*Offer includes free use of a Cisco router (model shall be determined by GeoNet), a CSU/DSU, connector cable, and transceiver for the term of the contract with GeoNet. Equipment provided as part of this offer is and shall remain the property of GeoNet or GeoNet's lessors. Offer available throughout the Greater Bay Area. Telephone circuit installation and monthly telephone fees not included. © 1997 GeoNet Communications, Inc. All rights reserved. GeoNet Communications is a trademark of GeoNet Communications, Inc.

Call 1-800-6GEONET.

"TOP CHOICE, BEST VALUE" SUPER PENTIUM™ II SYSTEMS...

IQ INFOQUEST COMPUTER

LOOK!

$AVE 3% with Cash Purchase on Systems

Intel DK440LX Coming Soon Call Now ~~

IQ INFOQUEST
4500 El Camino Real
Los Altos, CA 94022
Tel: (650)917-9180
Fax:(650)917-9183
Hours: Mon-Fri 9-6:30, Sat 12-5
WebSite: WWW.IQINFOQUEST.COM

IQ LEVEL-5 Cyrix/K6 EXPLORER

- Cyrix/IBM 6x86MX PR166+ Processor
- **Intel 430VX Chipset Mainboard (JBVX-A) with 512K Cache**
- **32Mb EDO RAM 60ns (SIMM 72-Pins)**
- 1.44Mb Floppy Drive
- **1.7Gb EIDE Hard Drive**
- Built-In EIDE & Hi-Speed I/O
- Mini Tower Case, 230 Watts Power Supply
- Diamond Stealth 2500 2Mb Video DRAM
- 16X EIDE CD-ROM Drive
- Yamaha Chipset Sound Card
- RMS: 30 Watts Speakers
- **Supra 33.6 Internal Fax/Modem**
- Logitech 1st Mouse & Mouse Pad
- Keytronic Windows 95 Keyboard
- CD: Microsoft Window 95

Best Buy

$735

*Monitor Sold Separately!

Cyrix M2-200 MMX $770
AMD K6-166 MMX $785
AMD K6-200 MMX $835
AMD K6-233 MMX ....$Call

IQ LEVEL-5 Pentium® RANGER

- **Intel PENTIUM™ 166Mhz MMX Processor**
- **Intel Tucson+ Mainboard (TC430HX) with 512K Cache**
- **32Mb EDO RAM 60ns (SIMM 72-Pins)**
- 1.44Mb Floppy Drive
- **3.5Gb Ultra IDE Hard Drive**
- Built-In EIDE & Hi-Speed I/O
- ATX1 Mid Tower Case, 230 Watts P.S.
- **liyama 8617e (17" 1600x1280 0.26dpi)**
- Built-In S3-Virge 3D 2Mb Video DRAM
- Built-In Yamaha Chipset Sound Card
- **24X EIDE CD-ROM Drive**
- RMS: 30 Watts Speakers
- Logitech MouseMan & Mouse Pad
- Keytronic Windows 95 Keyboard
- CD: Microsoft Windows 95

Value Buy

$1435

Pentium 200Mhz MMX...$1530
Pentium 233Mhz MMX...$1620

IQ LEVEL-5 Pentium® TROOPER

- **Intel PENTIUM™ 166Mhz MMX Processor**
- **Intel Anchorage Mainboard (AN430TX) with 512K Cache**
- **32Mb SDRAM 10ns (DIMM 168Pins)**
- 1.44Mb Floppy Drive
- **3.5Gb Ultra IDE Hard Drive**
- Built-In Ultra IDE (DMA/33) & Hi-Speed I/O
- ATX1 Mid Tower Case, 230 Watts P.S.
- **liyama 8617e (17" 1600x1280 0.26dpi)**
- **Diamond 3D 2000 Pro 4Mb EDO RAM**
- Built-In Yamaha Sound Card
- **Toshiba 24X EIDE CD-ROM Drive**
- Logitech MouseMan & Mouse Pad
- RMS: 30 Watts Speakers
- Keytronic Windows 95 Keyboard
- CD: Microsoft Windows 95

$1525

Pentium 200Mhz MMX...$1620
Pentium 233Mhz MMX...$1710

IQ LEVEL-6 Pentium® II PIONEER

- **Intel PENTIUM™ II 233Mhz Processor w/MMX Technology** (CPU L2-512K Cache)
- **Intel Portland Mainboard** (PD440FX/S)
- **64Mb EDO RAM 60ns (SIMM 72-Pins)**
- 1.44Mb Floppy Drive
- **3.5Gb Ultra IDE Hard Drive**
- Built-In EIDE & Hi-Speed I/O
- ATX1 Mid Tower Case, 230 Watts P.S.
- **liyama 8617e (17" 1600x1280 0.26dpi)**
- **Diamond 3D 2000 Pro 4Mb EDO RAM**
- Built-In Yamaha Sound Card
- **Toshiba 24X EIDE CD-ROM Drive**
- Logitech MouseMan & Mouse Pad
- RMS: 30 Watts Speakers
- Keytronic Windows 95 Keyboard
- CD: Microsoft Windows 95

Value Buy

$1870

Pentium II 266Mhz .. $2000
Pentium II 300Mhz .. $2230

IQ LEVEL-6 Pentium® II PATHFINDER

- **Intel PENTIUM™ II 233Mhz Processor w/MMX Technology** (CPU L2-512K Cache)
- **Intel Atlanta AL440LX Mainboard**
- **64Mb SDRAM 10ns (DIMM 168-Pins)**
- 1.44Mb Floppy Drive
- **6.4Gb Ultra IDE Hard Drive**
- Built-In Ultra IDE (DMA/33) & Hi-Speed I/O
- ATX1 Mid Tower Case, 230 Watts P.S
- **Sony 200 SX (17" 1280x1024 0.25dpi)**
- **Diamond Viper 330 4Mb (AGP Card)**
- **Toshiba 24X EIDE CD-ROM Drive**
- Built-In Yamaha Sound Card
- Logitech MouseMan & Mouse Pad
- Keytronic Windows 95 Keyboard
- Yamaha M7 Speakers
- CD: Microsoft Window 95

Super Buy

$2350

Pentium II 266Mhz w/512K.$2480
Pentium II 300Mhz w/512K.$2710

IQ LEVEL-6 Pentium® II MOUNTAINEER

- **Intel PENTIUM™ II 233Mhz Processor w/MMX Technology** (CPU L2-512K Cache)
- **Intel 440LX Chipset Mainboard (ASUS - P2L97S)**
- **64Mb SDRAM 10ns (DIMM 168-Pins)**
- 1.44Mb Floppy Drive
- **4.3Gb Ultra Wide SCSI Hard Drive**
- **Built-In Adaptec 7880 UW SCSI Ctrl**
- Built-In Ultra IDE (DMA/33) & Hi-Speed I/O
- ATX1 Mid Tower Case, 230 Watts P.S
- **Sony 200 SX (17" 1280x1024 0.25dpi)**
- **Matrox Mil-2 4Mb WRAM**
- **16X SCSI CD-ROM Drive**
- Yamaha Chipset Sound Card
- Logitech MouseMan & Mouse Pad
- Keytronic Windows 95 Keyboard
- Yamaha M7 Speakers
- CD: Microsoft Window 95

$2465

Pentium II 266Mhz w/512K.$2595
Pentium II 300Mhz w/512K.$2825

IQ LEVEL-5 SCSI DISCOVER

- **Intel PENTIUM™ 166Mhz MMX Processor**
- **Intel 430HX Chipset Mainboard (JBA2-A) with 512K Cache**
- **32Mb EDO RAM 60ns (SIMM 72-Pins)**
- 1.44Mb Floppy Drive
- **4.3Gb Ultra Wide SCSI Hard Drive**
- **Built-In Adaptec 7880 Ultra Wide SCSI**
- Built-In EIDE & Hi-Speed I/O; 2-S, 1-P 1-PS2
- AT Mid Tower Case, 230 Watts P.S.
- **Sony 100SF (15" 1280x1024 0.25dpi)**
- **Diamond 3D 2000 Pro 4Mb EDO DRAM**
- 16X SCSI-II CD-ROM Drive
- Yamaha Chipset Sound Card
- Logitech MouseMan & Mouse Pad
- Keytronic Windows 95 Keyboard
- RMS: 30 Watts Speakers
- CD: Microsoft Window 95
- External SCSI-II

$1550

Pentium 200Mhz MMX...$1645
AMD K6-166 MMX $1535
AMD K6-200 MMX $1590

IQ LEVEL-5 DUAL LINUX & WIN95

- **Intel PENTIUM™ 166Mhz MMX Processor**
- **Intel 430TX Chipset Mainboard (JBTX-A) with 512K Cache**
- **32Mb EDO RAM 60ns (SIMM 72-Pins)**
- 1.44Mb Floppy Drive
- **3.5Gb Ultra IDE Hard Drive**
- Built-In EIDE & Hi-Speed I/O; 2-S, 1-P 1-PS2
- AT Mini Tower Case, 230 Watts P.S.
- **17" 1280x1024 NI 0.28dpi Monitor**
- **Diamond 3D 2000 2Mb EDO DRAM**
- 16X EIDE CD-ROM Drive
- Sound Blaster 16 PnP
- RMS: 30 Watts Speakers
- Logitech MouseMan & Mouse Pad
- Keytronic Windows 95 Keyboard
- **CD: Microsoft Windows 95 & LINUX**

$1350

Pentium 200Mhz MMX...$1445
Pentium 233Mhz MMX...$1535
AMD K6-200 (MMX) $1405
AMD K6-233 (MMX) .....$Call

VISIT TODAY TO SEE OUR VARIOUS PENTIUM™ SYSTEMS !

Seagate	Seagate	IBM	Yamaha
Cheetah 4.5Gb Ultra Wide SCSI $570	Barracuda 4.3Gb Ultra Wide SCSI $Call	4.3Gb Ultra Wide SCSI 5400 PRM $345	System 25 $105 System 35 $140

INFOQUEST COMPUTER

IQ LEVEL-6 X² PENTIUM® II

X² DATA CRUISER

- ***Dual Intel PENTIUM II 233Mhz Processor w/MMX Technology*** *(CPU L2-512K Cache)*
- ***ASUS Dual Pentium II Mainboard (P2L97DS)***
- ***64Mb SDRAM RAM 10ns (DIMM 168Pins)***
- *1.44Mb Floppy Drive*
- *4.3Gb Ultra Wide SCSI Hard Drive*
- ***Built-In Adaptec 7880 Ultra Wide SCSI Ctrl***
- *Built-In EIDE (Ultra DMA33) & Hi-Speed I/O*
- *ATX2 MID Tower Case, 250 Watts Power Supply*
- *Sony 200SX (17" 1280x1024@60Hz .25dpi)*
- ***MGA Mil-2 4Mb WRAM***
- *16X SCSI CD ROM Drive*
- *Yamaha 3D Chipset Sound Card*
- *Yamaha M7 Speakers*
- *MS Natural Keyboard*
- *MS Logitech Mouseman & Mouse Pad*
- *CD: Microsoft Windows 95*

Super Deal!

$3230

2X Pentium II 266Mhz .. $3490

2X Pentium II 300Mhz .. $3950

X² INFORUNNER

- ***Dual Intel PENTIUM II 233Mhz Processor w/MMX Technology*** *(CPU L2-512K Cache)*
- ***Tyan Thunder 2 Mainboard (S1696DLUA)***
- ***128Mb SDRAM 10ns (DIMM 168Pins)***
- *1.44Mb Floppy Drive*
- *4.3Gb Ultra Wide SCSI Seagate Hard Drive*
- ***Built-In Adaptec 7895 Dual Channel SCSI (Support Raid 0, 1 & 5 using w/ADPT 1130)***
- *Built-In EIDE (Ultra DMA33) & Hi-Speed I/O*
- *ATX Full Tower Case, 300 Watts Power Supply*
- ***Sony 200SX (17" 1280x1024@60Hz .25dpi)***
- ***Diamond FireGL 1000 Pro 8Mb (AGP Card)***
- ***16X SCSI CD ROM Drive***
- ***Built-In Yamaha Sound Card***
- *Yamaha M15 Speakers*
- *MS Natural Keyboard*
- *MS Intellimouse & Mouse Pad*
- *CD: Microsoft Windows NT 4.0 Server 5-Users*

$4050

2X Pentium II 266Mhz .. $4310

2X Pentium II 300Mhz .. $4770

X² INFOMOVER

- ***Dual Intel PENTIUM II 233Mhz Processor w/MMX Technology*** *(CPU L2-512K Cache)*
- ***Intel DK440LX Mainboard (New)***
- ***128Mb SDRAM 10ns (DIMM 168Pins)***
- *1.44Mb Floppy Drive*
- *4.3Gb Ultra Wide SCSI Seagate Hard Drive*
- ***Built-In Adaptec 7895 Dual Channel SCSI Controller with RAID port***
- *Built-In EIDE (Ultra DMA33) & Hi-Speed I/O*
- *ATX Full Tower Case, 300 Watts Power Supply*
- ***Sony 200SX (17" 1280x1024@60Hz .25dpi)***
- ***Number 9 Revolution 3D 128bit 8Mb WRAM (AGP Accelerated Graphics Port for 3D Graphic)***
- ***Built-In Intel Pro 10/100B Ethernet Card***
- ***24X SCSI CD ROM Drive***
- ***Built-In Yamaha Sound Card***
- *Yamaha M15 Speakers*
- *MS Natural Keyboard*
- *MS Intellimouse & Mouse Pad*
- *CD: Microsoft Windows NT 4.0 Server 5-Users*

$Call

2X Pentium II 266Mhz ..... $Call

2X Pentium II 300Mhz ..... $Call

SOUND CARD

Creative Lab SB16 PnP $49
Creative Lab SB64 Value.....$90
Creative Lab SB64 AWE $155

CD-ROM DRIVES

Mitsumi *(16X-IDE)* $75
NEC *(16X-SCSI)*.....$110
Panasonic *(24X-SCSI)* $160
Teac *(24X-IDE)*.....$85
Teac *(16X-SCSI)*.....$105
ICSI HA *(16X-IDE)*.....$79
ICSI HA *(24X-IDE)*.....$89
ICSI HA *(12X-SCSI)*.....$100
ICSI HA *(16X-SCSI)*.....Call

CD-RECORDABLE/REWRITABLE DRIVES & MEDIA

(2x6 CDR SCSI).....$499
SONY *(2x8 CDR IDE)*.....$335
SONY *(2x6 CDR CSI)*.....$310
RICOH *(2x6 CDRW SCSI)*....$545

CONTROLLER

Adaptec SCSI
2920 PCI Fast SCSI-II.....$99
2940 PCI Ultra SCSI.....$170
2940 PCI Ultra Wide SCSI.....$215
3940 PCI Ultra Wide SCSI.....$410

FAX/MODEMS (int)

33.6 Fax Modem $55
Supra 33.6 Voice FXM $65
Supra 56K Voice FXM $110
USRobitics 33.6 .....$90
USRobitics 33.6 Voice FXM $110
USRobitics 56K $150
USRobitics 56K Voice FXM $160

MONITORS

HYAMA (HITT)
8617e 17" 1600x1280 0.26.....$540
9017e 17" 1600x1280 0.26.....$655
NEC
E500 15" 1280x1024 0.25 .....$385
E700 17" 1280x1024 0.25 .....$690
E1100 21" 1280x1024 0.28 ...$1300
P750 17" 1280x1024 0.25 .....$885
P1150 21" 1280x1024 0.28 ...$1465
SONY
100SF 15" 1280x1024 0.25 .....$360
200SX 17" 1280x1024 0.25 .....$620
200SF 17" 1280x1024 0.25....$670
300SF 20" 1600x1280 0.30 ....$1395
VIEWSONIC
17PS 17" 1600x1280 0.25 .....$660
PT770 17" 1600x1280 0.25 .....$660
PT770 17" 1600x1280 0.25 .....$720
PT813 21" 1600x1280 0.28 ....$1400
G800 20" 1600x1280 0.28 .....$1040
G810 21" 1600x1280 0.25 ....$1250
P815 21" 1600x1280 0.25 .....$1490

VIDEO CARDS

PCI/AGP
ATI WinBoost 2M DRAM.....$55
ATI Xpression PC2TV 4M $105
ATI Graphic Pro PC2TV 4M ..$180
ATI All-in-Wonder 4M..... Call
Diamond 2500 2M DRAM.....$45
Diamond 3D 2000 Pro 4M $89
Diamond 3D 3000 4Mb $159
Diamond FireGL 1000 Pro 4M Call
Diamond FireGL 1000 Pro 8M Call
Diamond Viper 330 4M.....Call
MGA Mil-2 4MbWRAM.....$215
MGA Mil-2 8MbWRAM.....SCall
MGA Mystique 4Mb SGRAM....Call
No#9 Revolution 3D 4Mb .....SCall
No#9 Revolution 3D 8Mb .....SCall

NETWORK CARD

3COM
3COM 3C509B T P.....$55
3COM 3C509B Combo.....$Call
3COM 3C900 PCI T P.....$75
3COM 3C900 PCI Combo.....$89
3COM 3C905 PCI 10/100 T/P...$75
Intel
EtherExpress Pro 10/100 T/P.....$65
SMC
EtherEZ ISA T/P $55
EtherPower PCI 10/100 T/P.....$128

TAPE BACKUP

Colorado
T-3000S 1.6Gb/3.2Gb $179
IOMEGA
Zip Drive 100Mb SCSI (Int)....$145
Jaz Drive 1.0Gb SCSI (Int).....$295
Jaz Drive 1.0Gb SCSI (Ext).....$395
Syquest
EZ-Jet 1.5Gb SCSI (Ext).....Call
Sony AIT .....Call

PRICE SUBJECT TO CHANGE WITHOUT NOTICE NOT RESPONSIBLE FOR TYPOS!

MOTHERBOARD

INTEL LX440 M/B
Intel 430LX Chipset

- Built-in 512K Cache
- Support CPU **P75~P233MHz**
- Max RAM 256Mb (SDRAM DIMM)
- Flash BIOS (Plug & Play)
- 3-PCI & 3-ISA Bus
- Built-In IDE (Ultra DMA/33) & Hi-Speed I/O 2-Serials, 1-Parallell, 1-PS/2

$180

INTEL ANCHORAGE M/B
Intel 430TX Chipset

- Built-in 512K Cache
- Support **P75~P233MHz**
- Max RAM 256Mb (SDRAM DIMM)
- Flash BIOS (Plug & Play)
- 3-PCI & 3-ISA Bus
- Built-In **Yamaha Sound Card**
- Built-In IDE (Ultra DMA/33) & Hi-Speed I/O 2-Serials, 1-Parallell, 1-PS/2

$205

INTEL TUCSON+ M/B
Intel 430TX Chipset

- Built-in 512K Cache
- Support **P75~P233MHz**
- Max RAM 128Mb (FP/EDO SIMM)
- Flash BIOS (Plug & Play)
- 3-PCI & 3-ISA Bus
- Built-In **S3 Virge 2Mb Video Card**
- Built-In **Yamaha Sound Card**
- Built-In EIDE & Hi-Speed I/O 2S 1P

$205

INTEL LOMBARD M/B
Intel 440LX Chipset

- Support CPU **P2-233~P2-300MHz**
- Max RAM 128Mb (FP/EDO SIMM)
- Flash BIOS (Plug & Play)
- 3-PCI & 3-ISA Bus
- Built-In EIDE & Hi-Speed I/O
- 2-Serials, 1-Parallell, 1-Game
- **Built-In Yamaha Sound Card**

$210

INTEL ATLANTA M/B
Intel 440LX Chipset

- Support **P2-233~P2-300MHz**
- Max RAM 384Mb (SDRAM DIMM)
- Flash BIOS (Plug & Play)
- 3-PCI & 3-ISA Bus
- Built-In **Yamaha Sound Card**
- Built-In EIDE & Hi-Speed I/O
- 2-Serials, 1-Parallell, 1-PS/2

$235

Jbond Motherboard
Intel 430TX Chipset
Adaptec 2940 Ultra Wide

- Supports **P75~P233MHz, K5/6, CYRIX 6X86MX CPU**
- Built-In 512K Cache
- Max RAM 256Mb (FP/EDO/SDRAM)
- Award Flash BIOS (Plug & Play)
- Socket 7 4-PCI & 4-ISA Bus
- Built-In **Adaptec 7880 Ultra Wide**
- Built-In IDE(Ultra DMA/33) & Hi-Speed I/O 2-Serials, 1-Parallell, 1-PS/2
- Adaptec EZ-SCSI Lite 4.0

$280

JBOND MOTHERBOARD
Intel 430TX Chipset

- Supports **P75~P233MHz, K5/6, CYRIX 6X86MX CPU**
- Built-In 512K Cache
- Max RAM 256Mb (FP/EDO/SDRAM)
- Award Flash BIOS (Plug & Play)
- Socket 7 4-PCI & 4-ISA Bus
- Built-In IDE (Ultra DMA/33) & Hi-Speed I/O 2-Serials, 1-Parallell, 1-PS/2

$145

DP55TUS ⇨ Coming Soon

Jbond Motherboard
Intel 430TX Chipset
Built-In Adpatec 7880 Ultra Wide SCSI Ctrl

- Support **P75~P200MHz, K5/6, Cyrix 6x86MX CPU**
- Built-In 512K Cache
- Max RAM 256Mb (FP/EDO SIMM)
- Award Flash BIOS (Plug & Play)
- Socket 7 4-PCI & 4-ISA Bus
- Built-In **Adpt 7880 Ultra Wide SCSI**
- Built-In EIDE & Hi-Speed I/O 2-S, 1-P
- **Adaptec EZ-SCSI Lite 4.0 Software**

$250

Stocking Stuffers For One And All

Holiday Giving Doesn't Have To Be Expensive

By David Noack

When it comes to giving computer gifts for the holidays, bigger isn't always necessarily better.

Sure, who wouldn't like a brand-new system loaded with the latest bells and whistles or maybe a couple of really expensive applications that will do just about anything short of washing the car?

But in lieu of breaking the bank, there are dozens of smaller computer gifts, many of which make nice stocking stuffers.

First, Do Your Homework

Deciding what kind of computer gift to give depends to a large extent on whether the computer user is a wet-behind-the-ears novice, crusty veteran or a computer geek. Most first-time users usually don't have all of the equipment that they need. Old pros, on the other hand, might still be using some older gadgets and haven't upgraded in awhile.

Whatever type of user, there's a good chance that there's some piece of computer equipment or software that they need. It's up to you to make the right choice, or, at the very least, the best choice possible.

To start off, before I give a computer gift, I try to make sure that I know enough about that person's system (without appearing too nosy): what kind of operating system it has, how much memory and hard disk drive space, etc. This is especially important when it comes to giving software. You wouldn't want to get someone a program for OS/2 Warp when they're using Windows 95 or give someone who has MacOS 7.5 a program meant to run on MacOS 8. When giving software, make sure the computer meets or exceeds the system requirements.

You can often be guided by a common complaint or refrain from the intended gift recipient, such as "I wish I had a program that could...." or "I hate to have to repeat this (whatever) over and over ..." You want to give a program that will be used, and not just take up hard disk real estate.

Anyway, before we dive inside the computer, let's work our way around the outside of the system, from input devices such as the keyboard and mouse to the printer and monitor. We'll begin by looking at simple, yet basic and useful devices that could make the computing experience quicker, faster and maybe even healthier.

Accessorize!

When trying to figure out what someone needs, it's best to take a look around at what they already have. That should at least give you a clue.

Is their wrist pad in good shape? Has the cat been kneading it? Are there one too many telltale coffee spills on the mouse pad? What about the keyboard? Is everything ergonomically correct?

Speaking of mouse pads, plenty of companies will personalize a mouse paid with a favorite picture, which always adds a nice touch and is much nicer than a mouse pad you pick up from a computer show emblazoned with a company logo.

A new wrist pad always makes a nice gift, since it helps prevent carpal tunnel syndrome and repetitive stress injuries.

> When most people get a new system, it comes with a run-of-the-mill mouse. **Nothing fancy, just functional.** But there's been an explosion in mouse development—different shapes, better traction, wireless...

Most computer gear is not sexy, unless you're talking about those adult CD-ROMs. Much of the equipment is rather nuts-and-bolts, but can make measurable improvements in how someone uses their computer.

For instance, let's take the mouse. When most people get a new system, it comes with a run-of-the-mill mouse. Nothing fancy, just

B.A.M.
Bay Area Micro

3-YEAR PARTS AND LIFETIME LABOR WARRANTY

CORPORATE, GOVERNMENT AND EDUCATIONAL POS WELCOME

OFFICE VALUE SYSTEM

- Abit PR5 Triton VX w/512K Pipeline Cache
- 32MB 60ns EDO (64MB EDO add $95)
- Teac 1.44 FDD
- Quantum 4.3GB EIDE Hard Drive
- 33.6K Internal Data/Fax/Voice Modem
- S3 Virge DX 4MB Video Card
- Toshiba 24X EIDE CD-ROM Drive
- 16 Bit Full Duplex 3D Sound Card
- Advent AV270G 50W Speakers
- Mitsumi Win 95 Keyboard
- Mitsumi Mouse
- MS Windows 95 CD w/USB w/MS PLUS!
- Enlight Mid Tower Case
- Dual Fans & 250W UL Power Supply
- Power Center + Microphone
- ViewSonic E641 Digital 14" Monitor

Intel® P166 MMX $1,085

Intel® P166 MMX $1,175

AGP VALUE STATION

- ASUS P2L97 Intel 440LX AGP MB
- 32MB 10ns SDRAM (64MB SDRAM add $95)
- Mitsumi 1.44 FDD
- Western Digital 3.2GB Ultra-DMA Hard Drive
- Supra 56K Internal Data/Fax/Voice Modem
- ASUS 3D Explorer AGP True 128 Bit Video Card
- Mitsumi 24X EIDE CD-ROM Drive
- Creative Labs SB16 (SB64AWE add $45)
- Advent AV270G 50W Speakers
- Focus 2001 Keyboard w/Dust Cover
- Logitech MouseMan
- MS Windows 95 CD w/USB w/MS PLUS! (MS Office 97 Pro add $169)
- High Quality Custom Design ATX Case
- Power Center + Microphone
- ViewSonic E655 1280x1024 15" Digital Monitor

Intel Pentium® II 233 MMX $1,799

Intel Pentium® II 266 MMX $1,889

DELUXE MULTIMEDIA SYSTEM

- ASUS TX-97E Triton TX w/512K Pipeline Cache
- 64MB 10ns SDRAM
- Teac 1.44 FDD
- Western Digital 4.3GB Ultra-DMA Hard Drive
- Supra 56K Internal Data/Fax/Voice Modem
- Diamond Viper 330 True 128 Bit Video Card
- Toshiba 24X EIDE CD-ROM Drive
- Creative Labs SB64 AWE (SB64AWE Gold add $90)
- Advent AV370G 50W Subwoofer Speakers
- Focus 2001 Keyboard w/Dust Cover
- Logitech MouseMan
- MS Windows 95 CD w/SUB w/MS PLUS! (MS Office 97 Pro add $169)
- High Quality Custom Design ATX Case
- Power Center + Microphone
- Sony 100SX 15" .25dp Digital Monitor

Intel® P200 MMX $1,775

Intel® P233 MMX $1,859

AGP POWER STATION

- ASUS P2L97 Intel 440LX AGP MB
- 64MB 10ns SDRAM (128MB 10ns SDRAM add $300)
- Mitsumi 1.44 FDD
- Quantum 6.4GB Ultra-DMA Hard Drive
- USR 56K Internal Data/Fax/Voice Modem
- Diamond Viper 330 AGP True 128 Bit Video Card
- Mitsumi 24X EIDE CD-ROM Drive
- Creative Labs SB64AWE (SB64AWE Gold add $90)
- Advent AV270G 50W Speakers
- Focus 2001 Keyboard w/Dust Cover
- Logitech MouseMan
- MS Windows 95 CD w/USB w/MS PLUS! (MS Office 97 PRO add $169)
- High Quality Custom Design ATX Case
- Power Center + Microphone
- ViewSonic G773 17" .26dp Digital Monitor

Intel Pentium® II 266 MMX . . $2,449

Intel Pentium® II 300 MMX . . $2,649

Motherboard

ASUS
VX97 P75-P233 Triton VX w/512K AT $97
P55T2P4 P75-233 Triton HX w/512K AT $133
TXP4 P75-233 Triton TX w/512K AT $138
TX97E P75-233 Triton TX w/512K AT $149
TX97X P75-233 Triton TX w/512K ATX $155
TX97XE P75-233 Triton TX w/512K ATX $155
KN97X PII233-300 440FX ATX $209
P2L97 PII233-333 440LX AGP ATX $189
P2L97-S PII233-333 440LX AGP w/SCSI ATX $279
P2L97-DS Dual PII233-333 440LX AGP w/SCSI ..... $call
ASUS Ball Bearin fan for TX97E, TX97X, TX97XE $15
ASUS PS/2 and USB adapter card for TX97E $15

TYAN
Tomcat IV S1564S Single Triton HX w/512K AT $139
Tomcat IV S1564D Dual Triton HX w/512K AT $195
Titan Turbo II S1571S Triton TX w/512K AT $125
Titan Turbo II S1573S Triton TX w/512K ATX $129
Tiger PII233-300 440LX AGP ATX $209
Tiger 2 Dual PII233-300 440LX AGP ATX $308

ABIT
PR5 P75-233 Triton VX w/512K AT $79
SM5 P75-233 Triton VX w/512K AT Jumperless $89
PX5 P75-233 Triton TX w/512K AT Jumperless $99
AX5 P75-233 Triton TX w/512K ATX Jumperless $109
IT5H P75-233 Triton HX w/512K AT Jumperless $119

MEMORY AND CPU

CYRIX
6x86 PR166+ ..... $Call
6x86 PR200+ ..... $Call
6x86 MX PR166+ MMX ..... $Call
6x86 MX PR200+ MMX ..... $Call

AMD
K6-166 MMX ..... $Call
K6-200 MMX ..... $Call
K6-233 MMX ..... $Call

INTEL
Pentium® 150 ..... $Call
Pentium® 166/Pentium® 166 MMX ..... $Call
Pentium® 200/Pentium® 200 MMX ..... $Call
Pentium® 233 MMX ..... $Call
Pentium® II 233 512K ..... $Call
Pentium® II 233 512K ECC ..... $Call
Pentium® II 266 512K ..... $Call
Pentium® II 300 512K ..... $Call

SOUND CARDS
Creative Labs SB16 ..... $45
Creative Labs SB AWE64 Value OEM $79
Creative Labs SB AWE64 Value Retail $89
Creative Labs SB AWE64 Gold Retail $179
Diamond Monster Sound 3D PCI Retail $159
16 Bit Sound Card $19

HARD DRIVES

QUANTUM
Bigfoot 1.2Gig $95
Bigfoot 2.5Gig $135
Bigfoot 4.3Gig $185
Bigfoot 6.4Gig $269
Fireball ST 2.1 Ultra-DMA $169
Fireball ST 3.2 Ultra-DMA $195
Fireball ST 4.3 Ultra-DMA $245
Fireball ST 6.4 Ultra-DMA $299
Call for other models and SCSI

WESTERN DIGITAL
Caviar 2.1Gig $169
Caviar 2.5Gig $179
Caviar 3.2Gig Ultra-DMA $195
Caviar 4.3Gig Ultra-DMA $245
Caviar 5.1Gig Ultra-DMA $299
Caviar 6.4Gig Ultra-DMA ..... $Call
Call for other models and SCSI

MAXTOR
DiamondMax 2.5Gig Ultra-DMA $175
DiamondMax 3.2Gig Ultra-DMA $189
DiamondMax 4.3Gig Ultra-DMA $239
DiamondMax 5.2Gig Ultra-DMA $269
DiamondMax 7.0Gig Ultra-DMA $329
DiamondMax 8.0Gig Ultra-DMA $345
SEAGATE/FUJITSU ..... $Call

MONITORS

VIEWSONIC
E641 14" 1024X768 .28 ..... $199
E655 15" 1024X768 .28 ..... $269
G773 17" 1280X1024 .28 ..... $517
PT770 17" 1600X1200 .25 ..... $629
PT775 17" 1600X1200 .25 ..... $699
Call for other models

SONY
100SX 15" .25 ..... $309
100SF 15" .25 ..... $347
200SX 17" .25 ..... $585
200SF 17" .25 ..... $655
Call for other models

IMPRESSION
14" 1024X768 .28 ..... $148
15" 1280X1024 .28 ..... $225
17" 1280X1024 .28 ..... $410

MAG
DJ530 ..... $268
DJ702 ..... $509
DJ700 ..... $539

Call for other models

NEC
E500 15" .25 ..... $389
E700 17" .25 ..... $659
E1100 21" .28 ..... $1345

Call for other models

GRAPHIC CARDS

ATI
3D Xpression PC2TV 2MB Bulk $75
3D Xpression PC2TV 4MB Bulk $105
3D Pro Turbo PC2TV 4MB Bulk $129
3D Pro Turbo PC2TV 8MB Bulk $169
Xpert@Play 4MB Retail $169
Xpert@Play 8MB Retail $227
Xpert@Work 4MB Retail $159
Xpert@Work 8MB Retail $217
All in Wonder 4MB Bulk $199
All in Wonder 4MB Retail $229

DIAMOND
Stealth 2000 3D DRAM 2MB Bulk $59
Stealth 2000 3D DRAM 4MB Bulk $79
Stealth 3000 3D VRAM 2MB Bulk $99
Stealth 3000 3D VRAM 4MB Bulk $138
Monster 3D 4MB Bulk $149
Monster 3D 4MB Retail w/games $179
Viper V330 128bit 4MB SGRAM PCI Bulk $159
Viper V330 128bit 4MB SGRAM AGP Bulk $163
Stealth II ..... $Call
Stealth 2000 3D Pro DRAM 2MB Bulk $75
Stealth 2000 3D Pro DRAM 4MB Bulk $95

MATROX
Mystique 220 4MB SGRAM Bulk $119
Mystique 220 4MB SGRAM Retail $129
Millennium II 4MB WRAM Bulk $179
Millennium II 8MB WRAM Bulk $255
Millennium II 4MB WRAM Retail $179
Millennium II 8MB WRAM Retail $279
m3D 3D accelerator PCI/AGP ..... $Call

HERCULES
Stingray 64MB Bulk $215
Stingray 8MB Bulk $229
Stingray 8MB Retail ..... $Call

CALL FOR OTHER PRODUCTS NOT LISTED

Intel Inside · Pentium · Microsoft Windows 95 · ASUS · matrox · ATI Technologies Inc. · WESTERN DIGITAL · Maxtor · ViewSonic · DIAMOND Computer Systems Inc. · FUJITSU · NEC · Seagate · SONY

We build custom systems

B.A.M.

408.260.8796
Fax: 408.260.8797

1158 SARATOGA AVE.
SAN JOSE, CA 95129

VISA · MasterCard

STORE HOURS Mon-Fri: 9am-6pm Closed Sat & Sun

Terms & Conditions: Prices reflect cash discounts. Prices subject to change without notice. Not responsible for typographical errors. All brands and product names are trademarks of their respective companies. 15% fee on all returns including systems.

functional. But there's been an explosion in mouse development—different shapes, better traction, wireless... Many now come with built-in trackballs; there are models that allow you to scroll down a Web page without moving the cursor to the scroll bar.

The days of a standard-issue keyboard (kind of like standard-issue olive drab Army fatigues) are long gone. Today, you have a selection of styles, colors and shapes when it comes to keyboards.

When I was thumbing through one of the many computer catalogs that I receive, I was surprised to discover that there are more than 2,000 kinds of computer keyboards. For most people the keyboard is the main input device, and it pays to have one you're comfortable with. But giving a keyboard as a holiday gift can be tricky—a computer keyboard is a personal item, and after using it for a while you get used to it. Giving someone a split-panel or natural keyboard can produce culture shock if they're used to a plain old keyboard, one that doesn't even include the Windows 95 key.

There are also keyboards that don't use a trackball at all, but use a glide point or finger-pointing device. These types of pointers are popular on a number of laptop systems. All you have to do is guide your finger on a smooth surface to move the cursor.

One more thing about keyboards: It's always nice to have one of the clear-plastic, see-through keyboard covers. These neat products will protect your keyboard in case you're working at your desk and maybe spill some soft drink or coffee on your keyboard.

Another handy gift is extra floppy disks. You can never have too many floppy disks to use to move files from desktop to laptop and vice versa, or just for storage. They are also good as a primitive backup system; just make sure to have plenty of labels.

But if someone has one of those removable storage units, such as Iomega's Zip or Jaz drives, or maybe a SyQuest, then you can give those 100+MB floppies or tapes to back up and store data. These are a little bit more expensive, but they also hold so much more than a regular floppy.

Let's not forget the printer. You can also give some inkjet cartridges, paper and, if you feel really extravagant, maybe a laser toner cartridge. You can also give some extra printer memory to speed up the printing process. Again, be sure you know the kind of printer being used; you don't want to get an inkjet cartridge for a dot-matrix printer.

While we're still dabbling with the outside of the computer, don't forget cables and connectors. How about some serial or parallel port cables? Maybe an extra power connector cable or a keyboard extension cable? Maybe an A/B data switch box for attaching two computers to one printer and vice versa?

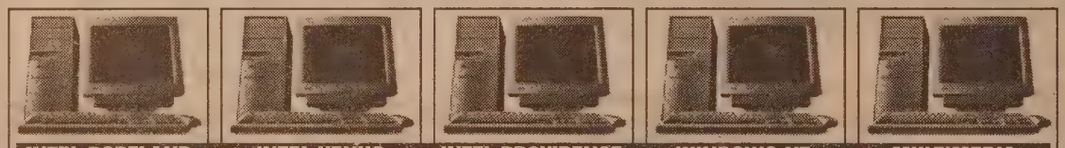
For the monitor, you might consider a filter which keeps glare off the screen; some are even purported to reduce radiation emissions from CRT's.

We Mean Quality & Service Since 1986

Lifetime Labor Warranty on All Computers
Special Same Day Service • Free Delivery
Special Networking & Corporate Services
Call Us for Expert Technical Support

Microsoft WindowsNT

NOVELL.



INTEL PORTLAND PENTIUM® II	INTEL VENUS PENTIUM® PRO 200	INTEL PROVIDENCE DUAL PENTIUM® PRO	WINDOWS NT WORKSTATION	MULTIMEDIA VALUE
• Intel Pentium® II 266MHz MMX Processor • Intel "Portland" Motherboard • 32MB RAM • 2.1GB EIDE Hard Drive • 1.44 Floppy Drive • Diamond Stealth 3D w/4MB • 16X EIDE CD-ROM • Sound Built-In M/B • Yamaha Stereo Speaker • Deluxe ATX Medium Tower • Mitsumi Windows 95 Keyboard • Microsoft PS/2 Mouse w/Pad • Microsoft Windows 95 *Monitor Sold Separately* **Intel-266MHz MMX..$2350**	• Intel Pentium® Pro 200MHz CPU • Intel "Venus" Motherboard • 32MB RAM (60ns) • 1.2GB EIDE Hard Drive • 1.44 Floppy Drive • Diamond Stealth 3D w/4MB • 16X EIDE CD-ROM • Sound Blaster 64 OEM • Yamaha Stereo Speaker • Deluxe ATX Medium Tower • Mitsumi Windows 95 Keyboard • Microsoft PS/2 Mouse w/Pad • Microsoft Windows 95 *Monitor Sold Separately* **PRO-200MHz.....$1780**	• Intel Pentium® Pro 200MHz Processor w/256K Cache • Intel Dual Pentium® Pro "Providence" Motherboard • 32MB RAM (ECC DIMM) • 4.3GB Ultra SCSI • Enhanced IDE Controller with I/O • 1.44 Floppy Drive • Intel EtherExpress Pro 100 Fast Ethernet • Adaptec 2940UW SCSI Controller • 16X IDE CD-ROM • 64-Bit w/1MB SVGA • Mitsumi 104 Keyboard • Super ATX Full Tower w/Cooling Fan • MS Compatible Mouse w/Pad • Microsoft Windows 95 *Monitor Sold Separately* **Dual Pentium® Pro 200..$2699** **Second CPU Option Add ..$549**	• Intel Pentium® Processor • Intel Triton Motherboard • 256K Pipeline Burst Cache • 32MB EDO RAM, 60ns • 1.2GB EIDE Hard Drive • 1.44 Floppy Drive • 16X CD-ROM Drive • Diamond Stealth 3D w/4MB • Enhanced IDE Controller with I/O • Mitsumi Windows 95 Keyboard • Deluxe Mini Tower • Microsoft Mouse w/Pad • Microsoft Windows NT 4.0 • Microsoft Windows 95 *Monitor Sold Separately* **P-133MHz .....$1351** **P-166MHz .....$1391** **P-200MHz $1525**	• Intel Pentium® Processor • Intel Triton Motherboard • 256K Pipeline Burst Cache • 16MB RAM, 60ns • 1.2GB EIDE Hard Drive • 1.44 Floppy Drive • 24X CD-ROM Drive • Sound Blaster 16 • PCI SVGA w/1MB • PCI EIDE with I/O • 360-Watt Stereo Speakers • Mitsumi Windows 95 Keyboard • Deluxe Mini Tower • MS Compatible Mouse w/Pad • Microsoft Windows 95 *Monitor Sold Separately* **P-133MHz.....$899** **P-166MHz.....$949** **P-200MHz $1079**

QUALITY BRAND NAME SPECIALS

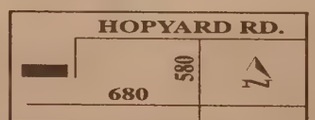
INTEL PENTIUM® 150MHz MOTHERBOARD FAN w/VX CHIPSET & 512K PLC	$289
SOUND BLASTER 16 P&P	$67
MINI TOWER CASE	$39
33,600 FAX/MODEM SUPRA w/VOICE	$89
1.44 FLOPPY DRIVE TEAC	$29
YAMAHA STEREO SPEAKERS (NEW MODEL, 5W)	$49
SOUND BLASTER 64 P&P	$99
PCI SVGA CARD 1MB	$49
17" SVGA .26 FLAT SCREEN SHAMROCK	$499
QUATUM 4.3GB	$329
24X TOSHIBA EIDE CD-ROM	$99
TAPE BACKUP 3.2GB	$189
DIAMOND ST.2MB DRAM	$89

MODEMS		FULL TOWER w/250 UL	$112
SUPRA EXPRESS 33.6 w/VOICE	$89	**VGA CARDS**	
US ROBOTICS 33.6	$105	TRIDENT PCI 1MB	$34
US ROBOTICS 56K	$147	DIAMOND STL. 1MB D 2500	$49
SOUND CARDS		DIAMOND STL. 2MB D 2500	$69
SOUND BLASTER PnP 16	$69	DIAMOND STL. 3D 4MB VRAM	$189
SOUND BLASTER 64 AWE	$99	**MONITORS**	
MICE		NOKIA 447X 17" .25	$929
IMPRESSION 3BTN	$15	SHAMROCK 15" .28	$349
LOGITECH DEXXA	$25	SHAMROCK 14" .28	$249
PS2 3 BUTTON	$18	SHAMROCK 17" .26	$499
SERIAL TRAKBALL	$24		
SPEAKERS		**NETWORK**	
YAMAHA W/25W SUB	$199	ADDTRON NE2000 ETHERNET	$47
80 WATT	$55	SMC ETHERPLUS COMB	$159
KEYBOARDS		SMC ETHER PCI DIG	$209
KEYTRONICS 104	$29	3COM3C509 COMB PCI	$129
FUJITSU 101	$48	4 PORT HUB W/BNC	$109
MITZUMI	$19	8 PORT HUB W/BNC	$129
MICROSOFT NATURAL w/SYSTEM PURCHASE	$59	12 PORT HUB W/BNC	$179
CASES		**MISC**	
MINI TOWER w/200 UL	$62	ASSORTED CABLES ASSORTED SWITCH BOXES 30 TO 72PIN MEM ADAPTERS	
DESKTOP w/250 UL	$65		
MEDIUM TOWER w/250 UL	$89		

Soft Solutions
Since 1986

6999-B Dublin Blvd.
Dublin, CA 94568

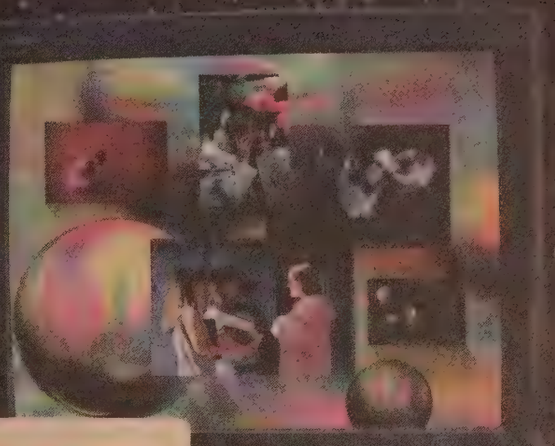
Tel: 510-803-1358
Fax: 510-803-1372



All prices subject to change without notice.
We are not responsible for typographical errors.
All prices subject to cash and stock availability.

TATUNG

A MONITOR NAME RESPECTED AROUND THE WORLD



QUALITY PERFORMANCE SERVICE

At Great Prices

77 years of history and honors since 1918, Tatung is the world largest manufacturer of monitor around the world offering the cutting-edge technology monitor at affordable price. With the highest-grade features that Tatung offers in its 14", 15", 17" is an ideal choice for corporation, design professionals and small office and home office. Tatung Monitor are extremely dependable: our monitors are covered by a standard three years full warranty included parts and labor with immediate replacement service at no additional cost. Tatung means quality monitor that comply with worldwide standards for safety, EMC and ergonomics including MPR II and TCO. Zero defects is the quality target for every single monitor produced, providing an assurance of outstanding performance of Tatung.

Plug & Play COMPATIBILITY

LOW RADIATION MPR II

Designed for MICROSOFT WINDOWS 95

Distributed by

NORTH AMERICAN COMPUTER INC.

1105 North Fair Oaks Ave., Sunnyvale, CA 94089

www.nacom.com

Call **1-800-888-3318** for Information

Reseller Wanted. Volume purchase discount available

TATUNG

EDC SYSTEMS
Since 1983

3Com IBM Microsoft HEWLETT PACKARD NOVELL EPSON TOSHIBA COMPAQ NEC IOMEGA

WE OFFER BUSINESS & HOME USERS:
• Free delivery and installation of systems within 30 miles
• Free in-store installation of all products
• Custom Configured System & Network Design
• Lifetime labor warranty on all Computers at no charge

ON-SITE SERVICE & REPAIR
• Authorized Compaq Repair Center
• Complete Diagnostic and Needs Analysis
• Fast, Friendly and Experienced!

Call The Business & Home Experts At EDC Systems
(510) 283-1700
FAX: (510) 283-1744 E-MAIL: EFICOMPUTE@AOL.COM
3441 Golden Gate Way, Lafayette, CA 94549
We are actively seeking minority businesses supplying computer products. Please Call!

MICROGATE
Your Downtown Connection
Best Rates in the City!
▪ PC Repair and Upgrade Specialists
▪ Lowest Corporate Service Rates in the Bay Area
▪ Unbeatable Prices on Software
WESTERN DIGITAL Seagate Microsoft Windows 95 IBM NEC SAMSUNG COMPAQ Intel Inside
(415) 421-4283
690-A Market Street, San Francisco CA 94104
Open Mon.-Sat. 9-7 p.m., Sun. 9-6 p.m.

WESTECH MICRO
Your Logitech Outlet Center
Large Selection of Refurbished Logitech Products
Logitech MouseMan 96 $18
Logitech Trackman Marble $49
Wingman Extreme Digital $29
PageScan Color $99
First Mouse $9
1470 Howard Street • San Francisco
Phone: (415) 864-1051
Fax: (415) 864-1054
Open M-F, 9am-5pm
All Logitech liquidation/refurbished products carry 90-day warranty.
We ship anywhere. Dealer inquiries welcome.

Stocking Stuffers *continued...*

Platform Specifics

A PC is a PC and a Mac is a Mac, right?

Well, just like the engines of a car are all basically the same, the same can be said of computers. They all include motherboards, memory, sound cards, and modems; when you look under the hood (or in this case inside the system) things are not quite what they seem. Paying special attention to the kind of motherboard, CPU, BIOS, PCI and EISA slots is very important.

When giving a holiday present that requires the recipient to delve into their system, it might be a good idea to also give a computer toolkit, so there's no scrambling around for a screwdriver or tweezers. Maybe a few books on basic PC infrastructure design and maintenance would not hurt.

When it comes to any computer, there's no such thing as enough RAM. The only questions are what kind, and how much will the computer support. Most PC memory comes in a couple of basic sizes, 30- and 72-pin SIMM's, which stands for Single Inline Memory Modules. The memory capacities of these memory chips are different, from 4MB to 8MB to 16MB and 32MB.

Give a **gift of better sound** with an improved sound card, or a higher resolution screen with a better video card. To keep all those add-on cards cool, how about **another** cooling fan?

When giving memory, make sure that you give it in pairs, such as two 4MB or two 8MB SIMMs. Buying single 72-pin 16MB SIMM may not work in some computer systems, since the memory is arranged by sets of banks and likes the SIMMs to be paired together. Be sure to read the motherboard manual. There are, of course, EDO and non-parity SIMMs, so be careful what you get, and make sure that everything matches.

Other ideas: Give a gift of better sound with an improved sound card, or a higher resolution screen with a better video card. To keep all those add-on cards cool, how about another cooling fan?

Installing most sound and video cards is pretty simple and straightforward. There's usually special software that install drivers and some programs. A basic sound card is 16-bit, but there are 32-bit sound cards that make the audio that much clearer.

When I decided to get a better sound card, I bought one at a local computer show, removed the current sound card, installed the new one, along with software and drivers that came on an accompanying CD-ROM, and within a half-hour, everything was working fine and the sound quality was improved.

When it comes to video cards, you can improve the resolution on your monitor by installing a new card. But sometimes your monitor might be a hindrance to getting a higher resolution. Be sure to check (if it's around) the monitor manual to see what resolution it can support, even with a new card.

Happy (and careful) shopping! ■

Copyright © 1997 by David Noack. All rights reserved.

HSC Electronic Supply

Serving Silicon Valley since 1964!

...brings you a potpourri of high-tech goodies for the techno-tinkerer!
For thirty years we have been your source for Silicon Valley exotica!

Sound Card Spectacular!

Four styles to choose from:

MediaVision ProAudio Wavetable Sound Card
- IDE interface for CD/ROM drive
- Full featured sound capability, incl. Wavetable, 24 voice
- Win 3.XX, Win '95 compatible, accepts Korg Pro upgrade
- New in retail box, 90-day HSC warranty

HSC#17034 **$29.95**

MediaVision Premium 3D Sound Card
- 16-bit audio, 44.1KHz digitized stereo sound
- MPU 401 MIDI, Soundblaster compat., SRS 3-D circuitry
- Internal SCSI-2 CD-ROM port, microphone jack (mike not included), line-in & speaker jacks, joystick port
- Includes driver disks, photocopied book
- OEM package (no box), 90-day HSC warranty
- We had these and ran out...New stock at Lower Price!

HSC#17035 **$29.95**

MediaVision ProZonic Sound Card
- IDE interface for CD/ROM drive
- 16-bit audio, 44.1KHz digitized stereo sound
- MPU 401 MIDI, Soundblaster compat., MPC1 & MPC2
- Plug n' Play Windows '95 compatible
- New in OEM package (no box), 90-day HSC warranty
- Includes driver disks, photocopied book

HSC#17028 **$13.95**

Media Vision ProAudio Spectrum Sound Card
- 16-bit audio, 44.1KHz stereo sound
- MPU 401 MIDI emulation, Soundblaster compatible
- Internal SCSI CD-ROM port, microphone jack (mike not included), line-in, speaker jack, joystick port
- Includes driver disk, information sheet (no book)
- OEM package (no box), 90-day warranty

HSC#17049 **$19.95**

Media Vision PCMCIA Sound!

- Great for Portables, Laptops with PCMCIA Slot
- External pod has joystick port, mic. input, line in & line out jacks, volume control.
- Installation software, instructions included
- Windows 3.x, Windows 95 compatible
- New in OEM packaging (no box), 90-day HSC warranty
- We had these before at $39.95 and they went fast!

HSC#17036 **$29.95**

4X Multimedia Blowout!

- MediaVision 4X Multimedia Kit has everything!
- SCSI CD-ROM Drive, Wavetable Sound card with SCSI controller, small external speakers, eight CD titles!
- Full retail kit, all cables, installation software included
- Spanish language manuals and installation video, but installation disks are multilingual.
- New in box (Spanish language labels)- 90 day warranty
- Hurry, they will go fast at this price!

HSC#17055 **$59.95**

SVGA Monitor Riot!

- Brand name 14" SVGA monitors just in!
- Used, tested, cleaned and guaranteed for 90 days
- NEC "SVGA" model, 31.5 - 48 KHz Horiz., 50 - 90 Hz Vert.,1024 x 768 resolution, non-interlaced, $129.00
- Viewsonic "6E" model, same specs. as NEC, $139.00
- Viewsonic "14ES" model, same as above but 50 - 100 Hz vertical refresh, $129.00
- NEC "2V" model, 30 - 57 KHz Horiz., 50 - 100 Hz Vert., 1024 x 768 resolution, non interlaced, $159.00
- Sorry, we can not ship these -- Hurry, while supplies last!

Hand Scanner Bargain

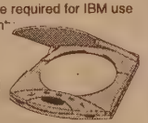
- Relisys Model HS410G 256 Grayscale Hand Scanner
- Up to 800 dpi (dithered) resolution available
- Brand new OEM pack (styrofoam tray)
- Includes manual, interface card, diskette with TWAIN drivers
- Note: Previous ads in error..no application software is included!
- New, 90 day warranty -- unit is similar to illustration

HSC#17009 **$14.95**

Absolute Last of the Red Hot Reno!

- Now at clearance price -- Media Vision *Reno*:
  - Consists of new external Reno CD/ROM drive,docking bay with SCSI2 port, AC Adapter, cable kit, travel pouch, headphones
  - Late Model version Uses AC adaptor (included) or AA alkaline batteries (not included)
  - Double-speed 180mS drive is lightning fast!
  - Drive detaches from docking bay, use with headphones as a portable personal audio CD player
  - Great for Mac or IBM (adaptor bracket included)
  - Mac software included
  - SCSI Controller & software required for IBM use
  - Brand new, 90-day warranty

Now - $59.00



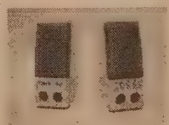
Available Separately:
A. Macintosh Powerbook SCSI Adapter (HDI-30 to 25-pin D connector) **HSC#15704 $12.50** if purchased alone, or with purchase of Reno Kit,**$5.00**

Super Sounding Speakers!

Tired of the cheesy sound coming from those give-away speakers in your multimedia kit? Try upgrading to these sonic wonders...you'll have to hear them to appreciate the difference these will make without blowing your budget!

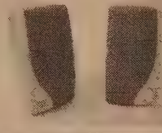
GNT2002 2-way Bass-Reflex speakers
- 3.25" woofer, 1" piezo tweeter, ported enclosure
- 15W built-in amplifiers, 80W peak, 5.4W RMS
- 40 - 20,000 Hz, built-in SRS 3-D stereo
- Measure approx. 3.75" x 6.125" x 9.25" tall
- AC adaptor, audio cables included
- On-off switch, 3-D switch, bass, treble & volume controls
- Attractive off-white finish with grey grille-cloth

HSC#16884 **$34.95**



GNT3500 3-way Bass-Reflex speakers
- 4" woofer, 2" midrange, 1" piezo tweeter
- 23W built-in amplifiers, 120W peak, 20W RMS
- 20 - 20,000 Hz, built-in SRS 3-D stereo
- Measure approx. 6.25" x 6.5" x 9.75" tall
- AC adaptor, audio cables included
- On-off switch, 3-D switch, bass, treble & volume controls
- Attractive off-white finish with grey grille-cloth

HSC#16671 **$39.95**



Stereo Keyboard!

- Multimedia Stereo Keyboard by SC&T International
- Built-in high power stereo speakers & amplifier
- Full range 4" bass enhanced, hi-fidelity 16 watt speakers
- Works with all sound cards & CD-ROM drives
- Or use with portable radio, cassette or CD player
- Separate Volume, Bass, Treble & Balance slide controls
- Built-in LED volume level bar-graph display
- Built-in omnidirectional microphone, plus mic. jack
- Headphone jack for private listening (headphones incl.)
- New in box, 90-day HSC warranty

HSC#17027 **$37.50**

Phone Voice Scrambler

- Privacy at the push of a button -- SecureTalk by GRE!
- Advanced circuitry encrypts telephone conversations from casual eavesdropping, including scanners!
- Small, portable units operate off AC adapter (Land-line model) or cigarette lighter plug (Cellular model).
- Measures 7" x 4" x 1.5", operates on 9 -12 VDC
- Provides a choice of 32 different scrambling codes over 4 channels. Can be bypassed by pressing "Normal" button.
- Sold in pairs, choose AC operation, mobile, or one of each.
- Unit inserts between handset and base of phone (Note, will not work with slim-line or other all-in-one-piece phones!)
- Unit has DB-9 connectors, you will need to fabricate an adapter cable set (DB-9 male & female to mini-modular connectors, diagram provided, ask about parts kit for land-line unit)
- Both styles are identical except for power adapter and one jumper.
- Units are new in box, 90-day warranty - exchange

HSC# 16909 Land-Line Phone Scrambler
HSC# 16910 Cellular Phone Scrambler
Your Choice - any two, any style for $29.95/pr.

SCSI Device Cases

16185 16559 16575 16960

- Horizontal style case, 9.5" x 2.5" x 10.5", 30 watt power supply, fan cooled, room for 5.25" drive, front access
  HSC#16185 **$29.95**
- Upright Case, 3.5" x 5.5" x 8.125", has front opening for 3.5" drive, 20 watt power supply, no fan
  HSC#16559 **$24.95**
- Deluxe quality case, 7" x 4.5" x 10.75", made for Olympus Optical, has 5.25" open front bay, SCSI diagnostic indicator on rear panel, 30 watt fan-cooled power supply, IEC power cord included. Assembled in USA.
  HSC#16575 **$49.95**
- Small horizontal case, 6.5" x 2" x 8.5", for 3.5" drives, small 17 watt fan-cooled power supply (5V @ 1A, 12V @ 1A)
  HSC#16960 **$37.95**

All cases are new, and feature 50-pin Centronics-style daisy-chain connectors, internal 50-pin cable and SCSI ID switch.

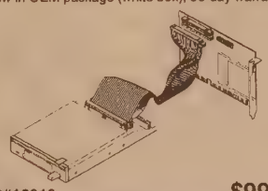
Bargain Game Controller!

- Quickshot QS-191 Game pad for IBM Compatibles
- Faster action, less fatigue than a joystick
- Why pay more for a game device?
- Brand new, plugs into 15-pin game port

HSC#17033 **$3.95**

Son of SwapBox!

- Just in time...we ran out of the regular SwapBoxes!
- IBM Compatible Reader/Writer for PCMCIA Cards with built-in 1.44 MB Floppy drive...fits in standard floppy bay!
- SwapBox Combo by SCM Microsystems for ISA bus
- Convenient front access for slots (not in rear of system)
- Dual slot, Type I, II or III, hot swappable
- Perfect for transferring data or hardware from laptops, notebooks or other PCMCIA peripherals to desktop PC's
- Directly supported by Windows 95 - no drivers needed!
- Includes DOS driver disk, manuals, cable, internal card
- New in OEM package (white box), 90-day warranty



HSC#16819 **$99.95**

PCI Video Accelerator Cards from Media Vision!

MEDIA VISION PROAxcel

- Blazing fast 64-bit graphic & video card
- PCI Bus card with 1MB RAM, expandable to 2MB
- Uses proprietary chipset (Alliance Semi ProMotion 6410)
- Resolutions up to 800 x 600, 64K colors with 1MB
- Up to 1600 x 1200, 256 colors, 800 x 600, 16M colors (requires 2MB) -- Upgrade chipset available, $7.50
- Supports MPEG, AVI, and other full-motion video formats
- Up to 30 fps full-screen video playback possible (requires 90MHz or better Pentium)
- Win95, NT & 3.1 drivers and full manual on CD-ROM
- If you can not read CD's, diskettes are available, $2 extra
- New in box and have a 90-day HSC Warranty

HSC#16807 Now--Lower Price! $19.95

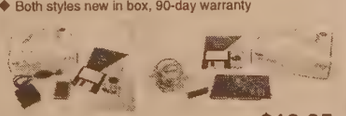
Skinny SCSI 2X CD-ROM!

- 1" high SCSI 2x (double speed) CD-ROM drive by Toshiba
- Model Number XM-4101B made for Sun Microsystems
- Mounts in regular 5.25" drive bay (with a gap at top of bezel)
- Lavender colored faceplate -- made for laptop computer?
- Meets MPC-2 level specifications, rugged high quality drive!
- Standard SCSI interface, with drive select jumpers on rear
- New, in plain white box, 90-day warranty

HSC#16870 **$29.95**

Infrared Connections!

- IBM "Options" series ISA-Bus and PCMCIA card adaptors will add industry standard infrared communications capability to your desktop PC (with ISA slots) or notebook computer! (Win95 driver available from Microsoft website)
- Allows wireless connection to compatible notebooks, workstations, printers, and other peripherals supporting the Infrared Data Association (IrDA) standard.
- Also will emulate a COM port for cable-less hook-ups
- Communicates up to 115KBps, or up to 1.152MBps with the included TranXit Software.
- Operates over distances up to 3 meters (10 ft.)
- Includes Card, transceiver module, driver disk & book
- Both styles new in box, 90-day warranty



HSC#16483 PCMCIA Version **$19.95**
HSC#16813 ISA-Bus Version **$19.95**
Or a package deal...get both for **$29.95**

Visit HSC's Website!

- Pay us a virtual visit on the World Wide Web!
- Simply point your browser to *http://www.halted.com*
- Site is constantly being revised, please visit often!
- Check out the amazing "Gizmo of the Week" feature!

New HSC Catalog !

- Hot off the presses! First one in four years! The wait is over!
- Seventy-six pages of electronics, from ordinary to exotic!
- Phone, fax, write or email to get your copy
- Or drop on by and pick one up...we'd love to see you!

Halted specialties co. / HSC Electronic Supply

Toll Free (Orders Only) 1-800-4 HALTED (1-800-442-5833)
Internet World Wide Web: *http://www.halted.com*
3500 Ryder St., Santa Clara, CA 95051 (408) 732-1573 -or-
4837 Amber Ln., Sacramento, CA 95841 (916) 338-2545 *FAX your orders to:*
5681 Redwood Dr., Rohnert Park, CA 94928 (707) 585-7344 *(408) 732-6428*

Terms: Some quantities limited; all items subject to prior sale. **Minimum order: $10.00 plus shipping.** Orders under $20.00 subject to $2.00 handling fee, in addition to shipping. All orders shipped FOB Santa Clara, CA (this means you pay freight!) by UPS Surface (no P.O. Boxes) unless otherwise specified, in which case prevailing carrier rate plus $5.00 handling fee applies. Prepaid orders that don't include shipping charges will be shipped freight COD. There is a $4.75 UPS charge added to shipping charges for COD shipments. If you have questions about your order, please call Customer Service at (408) 732-1854 M-F 9AM to 5PM PST.

If you think making music on your computer—or learning how to play— sounds like fun, this year's software offerings provide options from the silly to the serious. Aimed primarily at children, these packages take an engaging approach to music instruction.

Have A Musical Holiday!

Tuneful Software For Kids (And Others)

By Gen Katz

Sim Tunes

Even the people at Maxis admit that this is a pretty quirky game. Visualize cute bugs running over colored jellybeans and making music.

Sim Tunes is the simplest of the three programs reviewed here—the box states "ages 8+," and it's easy enough to get into this music and art activity.

First off, you paint the screen with brightly colored squares that bear a strong resemblance to jellybeans. There are the standard paint box tools available: spray can to cover an area with random colored jellybeans, big and little erasers, and the whole complement of colors to choose from. You may think that you are just painting—but what you are actually doing is covering your screen with musical notes—each color being a different note.

These notes are played by the set of four "bugz" you unleash onto your screen. As they run over these jellybeans, they make sounds and colorful explosions. A selection of forty-eight bugz provides you with a wide variety of musical sounds, ranging from piano, wind instruments, a whole range of percussive and electronic instruments, and wild indescribable voice sounds.

The bug shapes are also pretty indescribable, and they wiggle their eyes as they trundle along. Special squares will cause the bugs to change directions—left, right or turn around. Bugz can be picked up and moved by using a tweezer. They will giggle back at you as if being tickled (this is for the 8-year-olds).

In addition to your own painting, you can use pre-formed stamps for your bugz to run over. Your ears will soon tell you that patterns provide more musicality than the random spray of color dots. Soon you learn to make silent spaces in the painting to create tempos. If some of this sounds slightly familiar to some of you, it's because the precursor to this program was in an exhibit called "Music Insects" at the Exploratorium in San Francisco in 1992.

If *Kids Piano Discovery* were available when I was a kid, my mother would have saved hundreds of dollars.

There are advanced options on all of the tools. Of course you'll want to interchange modes; choices range from Minor Pentatonic to Lydian (Definition: "Lydian mode is a diatonic seven-note scale. It is the brightest of the modes and is said to lend a magical or mysterious feeling to music"). I couldn't find the definition in Webster's 7th, but fortunately the "I" icon provides information on all of the things you play with.

In the advanced options, you can design your own stamps and use the musical notation option to actually create your own melody. This last one is not easy, since who wants to just create a simple tune? You need accompaniment, and perhaps a counter melody. When you are satisfied with your creation, you can construct a greeting from your musical opus and send it to friends and relatives. You'll have fun—if your kid lets you on the machine. Note: Don't try this on a slow machine. System requirements say 486DX-66 or higher. (*Sim Tunes* is available in a bundled pack with *Sim Ant* and *Sim Town* called *My 3 Sims*—$39.95, Windows 3.1 or 95)

Kids Piano Discovery

If *Kids Piano Discovery* were available when I was a kid, my mother would have saved hundreds of dollars. This activity provides piano instruction, instructors that are fair (they will tell you when you are wrong) but encouraging; amusing note- recognition drills, the opportunity to play your piece at a recital, certificates of achievement, newspaper reviews, and a twenty-key plastic keyboard that fits over your computer keyboard so you can actually play the piano—all for $49.00.

I guess it was the piano keyboard that most intrigued me. It really works! Of course it's only an octave and a half, so playing with both hands is a little limited, and you can't do word processing or get on the Internet while you're playing, but it is a clever little adaptation. The program will also work with any standard MIDI keyboard.

There are no traditional scales to practice, although correct hand positioning and correct posture are covered. Familiarity with the keyboard and notes is developed by teaching you to play songs. There are two instructors, Paul and Diane, and they are a good feature. The two voices keep up a lively interchange while providing instruction, corrections and encouragement. There are about 600 lessons—a year's worth—graded for children 8-12.

GRAND OPENING OF OUR FREMONT STORE: Come Visit Our New Location
5171 Brandin Court, Fremont CA 94538 1-800-728-6688

Lifetime Technical Support!

Fast 48-Hour Turnaround Service Guaranteed

SCHOOL DISCOUNTS Authorized Educational Reseller for Microsoft, Symantec, & 3COM

RENTALS AVAILABLE

We Upgrade and Repair All Notebooks and Desktops.

Free "Monitor Saver!" A $39 value for every customer who visits or makes a purchase at any store. Limit one per customer. While supplies last.

KP 7200

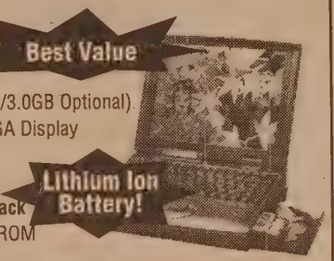
13.3"/14.1" 4MB Video RAM

- Pentium® Processors up to 233 MMX
- **512K Cache**
- **32MB EDO RAM (up to 128MB)**
- 13.3"/14.1" XGA TFT Screen
- **4MB EDO Video RAM**
- 1.4/2.1/3.0GB Hard Drive
- Motion Video Acceleration
- 3D Audio Sound, 1MB Wavetable
- 20X CD-ROM
- 2 Type II or 1 Type III PCMCIA (supports ZV port/card bus)
- **Dual USB Ports**, Infrared FIR
- RCA Video Jack for TV Out

Starting at $2520

KP 6800

Best Value



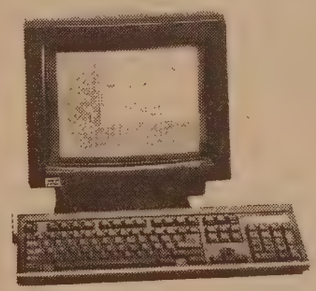
Lithium Ion Battery!

- Intel Pentium® Processor up to 233MMX
- **16MB EDO RAM**, up to 72MB • **1.4GB Hard Drive** (2.1/3.0GB Optional)
- 256K Pipeline Burst Cache • 12.1" TFT/Dual Scan SVGA Display
- 64-Bit PCI Video **w/2MB EDO Video RAM**
- 3.5" Floppy Drive (Exchangeable for 2nd Battery)
- **16X/20X CD-ROM** • Infrared Port & **RCA TV Output Jack**
- 16-Bit Stereo Sound w/1MB Wave Table Synthesizer ROM
- **3 Type II or 1 Type III + 1 Type II PCMCIA Slots**

Starting at $1500

Special: Video Conference Kit Camera for Notebooks....$440

Pentium® PCI Systems



All Systems Include:
- Intel Chipset Motherboard
- 512K Pipeline Burst Cache
- 16MB EDO RAM
- 2.0GB Hard Drive
- Toshiba 24X CD-ROM
- 1.44MB Floppy Drive
- 14" SVGA Non-Interlaced Monitor
- S3 SVGA Card w/ 4MB
- Mini-Tower Case
- 104 Keyboard & Mouse

Pentium® 150 .....$820 **Pentium® 200 MMX**.....$1030
Pentium® 166 MMX .....$870 **Pentium® 233** $1140

Call For Pentium® II Systems and Custom Configurations

FULL INTERNET ACCESS AND E-MAIL SOLUTIONS (For Business and Individuals)

- Turnkey Project For Internet & E-Mail Access
- Web Page Design & Maintenance • Free Consultation

MI 8241 ULTRA SCREEN 14.2" XGA Pro Series

IN STOCK

- Intel Pentium® Processor up to 233 MMX
- **Intel Mobile Triton 430TX Core Logic**
- **512K L2 Cache**
- **32MB EDO RAM** (upgradable to 128MB)
- 20X CD-ROM
- **Supports 2nd & 3rd HDD**
- **USB Port**, Infrared FIR
- RCA Video Jack for TV Out
- PCMCIA: 2 Type II or 1 Type III, **Cardbus & Zoomed Video**
- 7.3 lbs. w/Battery Pack & FDD
- Li-Ion Battery
- 3D Stereo Sound w/ Hardware Wavetable

Starting at $3390

Chicony 9750/9780

Video Capture

14.1" TFT XGA Available

- Intel Pentium® Processor up to 233 MMX
- **Intel Mobile Triton II 430TX Core Logic**
- 16MB EDO RAM, Expandable to 80MB
- 256K/512K L2 Cache
- 14.1"/13.3" TFT XGA/12.1" TFT or Dual Scan Display
- 2MB EDO Video RAM
- 1.4GB Hard Drive (2.1/3.1GB Optional)
- 3.5" Floppy Drive
- 16X/24X CD-ROM
- Two PCMCIA Type II or One Type III Slots, Card Bus
- 3D Stereo Sound w/ Hardware Wavetable
- Video Capture Zoom Video
- **Video In/Out, Dual USB**

Starting at $1500

SUPER PERFORMANCE MMX Multimedia Notebook

Video Capture

- Intel Pentium® Processors up to 233 MMX
- 20X CD-ROM
- 256K L2 Cache
- 12.1" Active Color Display
- 64-Bit 2MB Video, TV-Out Flicker Reduction
- Video Conferencing/Capturing w/Built-in Video-In Port
- Internet Phone Ready
- **USB Port, Cardbus, Zoom Video**
- 6.9 lbs. w/Battery and FDD

Call for Latest Prices

Cypress Customer Testimonials . . .

"Awesome is the only word that describes the total laptop solution and service I have received from Cypress"
Mayer Industrial Designs

"Cypress Computer has consistently provided us with top-quality equipment at prices unmatched by competing vendors."
Odwalla

"Your company has exceeded all of my expectations for every request I have made."
Forensic Analytical

"I have found Cypress Computer to be very responsible in giving technical support and advice when needed."
Chabot College

"Please feel free to use me as a reference for Cypress Computers. I will gladly tell others about the fine services you provided for me."
Griffin Financial Services

Leasing and 0% Financing Available

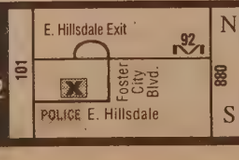
SINCE 1992 # Cypress Computers

HEWLETT PACKARD Authorized Dealer

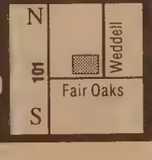
Cypress Computer Attends Regular Intel Dealer Training Courses

Visit Our Web Site: www.cypress-computer.com

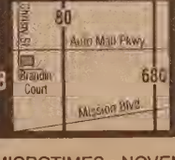
FOSTER CITY
1035 E. Hillsdale Blvd., Suite 112
Foster City, CA 94404
800-728-6688 • 415-577-1622
Fax: 415-577-1660
e-mail: Sales@cypress-computer.com



SUNNYVALE
568 Weddell Drive, Suite 2
Sunnyvale, CA 94089
800-613-3540 • 408-541-0339
Fax: 408-541-0169
e-mail: Cyp-lano@pacbell.net



FREMONT
5171 Brandin Court
Fremont, CA 94538
800-728-6688 • 510-668-1498
Fax: 510-668-1498 • Closed on Sat.
e-mail: Cypress@ricochet.net



Hours:
M-F 9-6
Sat 9-12 & 1-5

VISA MasterCard

Have A Musical Holiday! *continued...*

The screen opens on Discovery Island, with several buildings on the site. At the School House, you start your practice and meet your instructors, Paul and Diane. In the Arcade, where you can shoot down ducks or balloons representing musical notes, you practice note recognition. In the Practice Bungalow you can cut loose a bit and practice new songs. Finally, when you think you are ready, you can enter the Performance Hall and play with orchestra back-up.

Even if you make mistakes, the audience will still applaud you, although you won't get a standing ovation. The newspaper reviews are not quite so kind. I like this program because it finds the middle ground between being nicey-nicey and nasty. The critiques are fair and gentle, but they will let you know that you have not played the correct tempo from the fifth bar, or that you need more practice on notes. It is a very engaging program.

Meanwhile, you will learn about how to find notes on the piano, rhythm and tempo, sharps, flats, treble and bass clef, how to read music, how to play along with the metronome, and a little bit of playing with two hands (there are only twenty keys after all).

Jump Music does offer a more advanced package called simply *Piano Discovery*. It contains a four-octave, touch sensitive keyboard that hooks into a joystick port—but it's $199.00.

(*Kids Piano Discovery*, $49.00, Jump Music, Windows 3.1 or 95/Power PC or Mac 68040) Note: The Macintosh version does not contain the clip-on keyboard.

Juilliard Music Adventure

I would rate *Juilliard Music Adventure* the most complicated activity of the three discussed here. The box looks like a children's adventure game, and specifies ages 9 and up, but the Juilliard name is there for a reason.

continued on page 82

Juilliard's philosophy is that creating music is crucial to understanding music, and the software provides you with tools to do so. **This is not note drill, but rather, an exploration of some of the more complex musical concepts.**

Attention: Small & Midsized Businesses

Computer & Copier Experts Since 1985

STUDENT SYSTEM
VIA-580 Motherboard w/512K cache
Pentium® 133MHz with ball bearing fan
16MB 60ns EDO RAM
1.2GB EIDE hard drive
1.44MB floppy disk drive
Yamaha Sound Card
18X IDE CD-ROM Drive
PCI SVGA Card w/2MB
33.6 fax/modem w/voice
Mini tower case w/PS
Mitsumi mouse/Win95 keyboard
80W amplifier speakers

$599

Pentium® 166 . . . . . $649
P.166 MMX $699

HOME SYSTEM
Intel chipset 430VX MB w/512K
Pentium® 133MHz with ball bearing fan
32MB 60ns EDO RAM
2.6GB ultra DMA (10ms)
1.44MB floppy disk drive
Yamaha Sound Card
24X IDE CD-ROM Drive
Diamond SVGA card w/2MB
33.6 fax/modem w/voice
Mini tower case w/PS
Mitsumi mouse/Win95 keyboard
80W amplifier speakers

$699

P.166 MMX $799
P.200 MMX $899
P.233 MMX $1099

PRO SYSTEM
Intel 440FX chipset pro MB w/512K
Pentium® II 233MHz MMX
64MB 60ns EDO RAM
5.1GB ultra DMA (10ms)
1.44MB floppy disk drive
Sound Blaster 64 AWE
24X IDE CD-ROM drive
Matrox 3D w/4MB SGRAM
55.6K USR fax/modem w/voice
ATX mid tower case w/PS
Microsoft Mouse/Win95 keyboard
Yamaha M-15 speakers

$1799

P.II 266 MMX $1999
P.II 300 MMX $2299

OFFICE SYSTEM
430TX Intel chipset MB w/512K
Pentium® 133MHz with ball bearing fan
32MB 60ns EDO RAM
3.5GB ultra DMA (10ms)
1.44MB floppy disk drive
Sound Blaster 16-Bit
24X IDE CD-ROM drive
Matrox 3D w/2MB SGRAM
33.6 fax/modem w/voice
ATX mid tower case w/PS
Microsoft mouse/Win95 keyboard
80W amplifier speaker

$999

P.166 MMX $1099
P.200 MMX $1199
P.233 MMX $1399

HARD DRIVE
FUJITSU 1.2GB/WD $110/150
1.7 UDMA/1.6WD $125/155
2.1WD $177
5.2UDMA/5.1UDMA WD . . $295/325
4.3UDMA/UDMA WD. $245/250

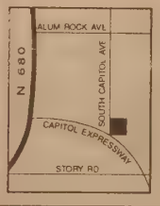
MOTHERBOARD
VIA-580VP 512K on board $62
Intel-430VX 512K on board $75
Intel-430TX 512K on board $92
SIS 5598 built-in VGA. $90
ASUS SP97-V $85

HEAVY DUTY COMMERCIAL COPIERS
(Including toner, setup, delivery)
SHARP SF-2014 . . . . . $1095
SHARP SF-2114 . . . . . $1325
SHARP SF-2214 . . . . . $1435
SHARP SF-2020 . . . . . $2155
SHARP SF-2130-Duplex $2355
MINOLTA 2130 . . . . . $999
MINOLTA 2130-Pro $1625
MINOLTA 2152 . . . . . $1600
MINOLTA 2152-Pro $1799
MINOLTA 1070 . . . . . $2450
MINOLTA 4233 . . . . . $3750

WE SERVICE COPIERS & MONITORS

FAX/MODEM
33.6 Rockwell w/voice $55
56K w/voice. $85
US Robotics 33.6 w/voice. $95
US Robotics 56K w/voice. $149

SVGA CARDS
9680PCI 1MB/2MB $25/30
Trident 9685 PCI 4MB $45
S3 Virge PCI 4MB. $50
Diamond 3D Virge 2-4MB $65
3D 3400 4MB (VRAM) OEM . . . $145



ECONO-OFFICE MACHINES Inc.

500 SOUTH CAPITOL AVE. • SAN JOSE, CA 95127 (Between Alum Rock Ave. and Capitol Expressway)

Computer Sales-Services: (408) 937-5523 • Copier Sales-Services: (408) 923-5084

FAX : (408) 254-1754 • Open M-F 8:30-6:00 • Sat. 10:00-4:00 • Visa & Master Card Welcome

CALL US FOR ANY PARTS YOU NEED

UNITED MICROSYSTEMS, INC.

1180 Bldg L MIRALOMA WAY · SUNNYVALE, CA 94086
TEL: (408) 737-8267 · 730-7338, Fax: (408) 747-8024
Hours: 10am - 730pm Tue-Fri 10am-6pm Sat Closed Sun
Http://www.united-micro.com Email: umi@united-micro.com

WE SIMPLY BEAT ANY COMPETITOR'S PRICE ! *

Leasing program, On site service available, Goverment and School P.O. Accepted.

PENTIUM II STATION

- INTEL Made Pentium II CPU & MB
- 32 MB RAM
- 1.44 FLOPPY DRIVE
- 2.0 MB HARD DISK
- PCI SVGA Card w/ 1MB
- 14" FLICKER-FREE SCREEN
- NON-INTERLACED MONITOR
- 101 Keyboard & Mouse
- Medi Tower ATX Case

FREE win95 w/MANUAL and CD

Upgrade option available !

Pentium II 300 MHZ $ 1750
Pentium II 266 MHz $ 1499
Window II 233 MHZ $ 1399

INTEL PENTIUM MULTIMEDIA

- Pentium CPU & MB
- 8 MB RAM
- 1.44 Floppy Disk
- 1.2 GB IDE Hard Drive
- 14" Flick-free NI Monitor
- PCI Video w/ 1MB.
- 101 Keyboard & Mouse
- Mini Tower case
- 8X Speed CD- Rom

16 bits Stero Sound
60W Speaker
FREE win95 w/ Manual & CD

Upgrade option available !

AMD K6/200 MMX MHz $ 899
PENTIUM 233MMX MHz $1019
PENTIUM 200MMX MHZ $ 919
PENTIUM 166MMX MHz $ 819
PENTIUM 150 MHz $ 779
PENTIUM 133 MHz.$ 769

Cyrix/AMD 686 SYSTEM

- Cyrix 686/AMD K5 CPU & MB
- 8 MB RAM
- 1.44 MB FLOPPY DRIVE
- 14" FLICKER-FREE
- NON-INTERLACED MONITOR
- 1.2 GB HARD DRIVE
- 1MB PCI SVGA CARD
- 101 ENHANCED KEYBOARD
- MOUSE
- MINI-TOWER CASE
- FREE win95 w/ manual & CD

Upgrade option available !

Cyrix/200+.....$659
Cyrix/166+.....$599
AMD K5/166..$639
AMD K5/133..$589
Intel P5/133 ..$679
Intel166mmx ..$759

BEST VALUE

	Motherboard ALL SYSTEMS COME WITH 72 HOURS BURN IN TEST	MB+CPU	Basic System (see Bottom Detail)	Basic System+ 1.6GB HDD 16ME SVGA CARD (2.0GB + 19)	Basic System + 3.0GBMB HDD 32MB SVGA CARD (4.0GB + 39)
Ausu Dual Pentium. II-300 (2 CPU + $780)	439	1199	1399	1799	1897
Intel Atlanta P. II 266 (PII300 + $250)	243	799	957	1357	1457
Intel P6-200 Venus (w/sound +$25)	113	607	757	1157	1257
Intel Anchorage 200MMX (233MMX+$129)	165	419	569	969	1069
Intel Anchorage 166MMX(200MMX+$99)	165	339	489	889	989
Asus P2L97 P.II266(PII300 +$250)	209	749	897	1297	1397
Asus Vx97,P5-200MMX(233MMX+$99)	97	309	459	859	959
Asus Vx97,P5-150 (166MMX+$29)	97	199	299	699	799
Asus Tx97E, P5-200mmx(233mmx+$99)	147	339	459	859	959
P5-200MMX Intel Triton 512K(233MMX+$99)	67	279	421	829	929
P5-150 Intel Triton 512K (166MMX+$29)	67	169	267	679	779
486 Dx4/100 VLB & PCI	55	95	197	599	699

INTEL MMX CPU, Cyrix 6X86 CPU, AMD K5/k6 CPU AVAILABLE AT THE LOWEST PRICE !

BASIC SYSTEM : (ASSEMBLED IN USA) Motherboard & CPU, Mini-Tower Case w/ power supply, 1.44MB Floppy Disk, 104 keys win95 Enhanced keyboard, IDE/IO w/ 2s/1p/1g ports, system installed and tested.

CPU & MEMORY UPGRADE

CPU/AMD/Intel/Cyrix

P5/200/166/133/120 LOWEST
P6/200/180 ..... LOWEST

SIMM/DIMM (Name Brand Only)

4/8 MB 72 PIN.....$17/31
16/32MB 72 PIN....$41/89
EDO 4/8 MB 72 PIN....$19/29
EDO16/32MB 72 PIN...$41/89
EDO 64 MB 72 Pin ...$259
Dim 16/32/64M...59/119/279

A lot more items, Please call for beat competitor's price !

DUAL PENTIUM II/300 NT SERVER(RACK MOUNT AVAIL.)

- ASUS Dual Pentium II MB, One 300 Mhz CPU
- Data Security Option
- DAT Tape Drive
- Mirroring
- Raid 5

$1333

Pentium Motherboard , W/ IDE & IO on board
w/ 512 k Pipeline Burst Cache
w/ intel 200 mmx + CPU **$ 279**

A lot more items on sale !

FAX/MODEM

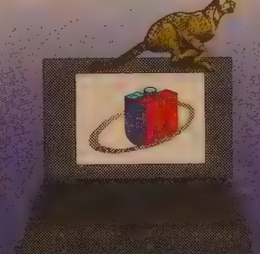
Probe 33.6 Fax Modem (int) /voice 43/45
Zoltrix 33.6 Fax Modem (ext)/voice.....43/45
U.S. Robotics 56K(int.)/Voice 143/155
U.S. Robotics 56K(ext.)/Voice 178/199
U.S.Robotics 33.6 (int)/voice 77/87
U.S Robotics 33.6 (ext)/voice 145/165
PCMCIA 33.6 Fax/Modem 99

A lot more items, Please call for beat competitor's price !

MULTIMEDIA

Mitsumi 8X/16X IDE CD-ROM.....49/71
Toshiba SCSI 12X/15X CD-ROM 95/129
Ess 3D sound(SB16 Compat.).....17
SB 16 /Awe 64 .....40/77
Yamaha M7/M15 Speaker.....36/58
Stero Speaker 60/180W 10/29

A lot more items, Please call for beat competitor's price !



SUPER VALUE	W/4MB 540MB HD	W/4MB 810MB HD	W/4MB 1.0GB HD
C5X86/100	1149	1199	1249
AMDX4/100	1099	1149	1199
Pentium 133	2049	2099	2199
Pentium 100	1999	1999	2099

Add $ 10 for 8MB MEMORY
Add $ 80 for 16MB MEMORY

DELUXE CASES

Mini Tower w/ 230W PS 24
Mid/Compact mid tower w/230W PS 37/37
Full tower w/230 w PS.....51
Desktop case w/ 230w PS 34
Power Supply 230 W. AT/ATX.....22/37
ATX mid/full tower w/ PS.....69/87

A lot more. Please call for best competitor's price !

KEYBOARDS/MICE

Mitsumi 104 Enhanced Keyboard(win95).....11
Keytronic 104 win95 Enhanced(win95).....16
M.S. Natural keyboard(w/ Sys.)/Ergo Touch...45/27
Microsoft compatinle serial mouse 5
Microsoft mouse (w/system only) serial/ps2...21/23
Logitec mouseman serial/Trackman.....19/59
Mitsumi PS2 mouse.....9

A lot more. Please call for best competitor's price !

FLOPPY & HARD DRIVES

FD 1.44MB High Density.....19
IDE Hard Fisk 1.2GB/1.6GB 117/125
IDE Hard Disk 2.0GB/2.5GB.....147/157
IDE Hard Disk 3.1GB/4.0GB.....187/249
IDE Hard Disk 3.8GB/5.0GB 245/359
SCSI Hard Disk 1.0GB/2.0GB 199/239
SCSI Hard Disk 4.3GB Ultra Wide.....359
Zip Drive 100 MB(Internal/IDE) 97
Zip Drive 100 MB(internal/SCS/Parallell) ..135

A lot more items, Please call for beat competitor's price !

VIDEO CARDS

ISA SVGA 1MB 27
Circus Logic PCI 1MB/2MB.....21/31
Trident PCI 1MB/2MB 21/31
Diamond 64(2001) 1MB/2MB MPEG.....43/47
Diamond 3D 2MB Dram/Vram(Upgrad.)...55/103
Diamond 64 2MB/4MB VRAM.....85/149
ATI Mach 64 1MB/2MB DRAM 45/53
ATI 3D Expression + 2MB/4MB 83/93
Matrox Millenium 2MB (Bulk).....109
Matrox Mystique 220 2MB/4MB.....95/115
Matrox Millium II 4MB/8MB 199/299

A lot more, Please call for beat competitor's price !

MONITORS

MAG 15(DJ530)/17(DJ700) 263/505
Impression 14"/15"/17" 148/217/403
Acer 14"/15" 167/285
CTX 14"/15"/17" 182/251/403
Sony 15/17/20.....347/565/1325
Nanao17"/20" 685/1615
Nokia 15"/17"/21".....375/575/1475
Viewsonic 15"/17"/20".....263/485/935
NEC E500(15")/E700/E1100... 359/637/1335

A lot more, Please call for beat competitor's price !

NETWORK/NOVELL 4.1

Intel Etherexpress PCI 10/100 55
3Com ISA TP/Combo(3C509).....44/62
3Com PCI 10/100 (3C905) 62
NE 2000 Combo network card ISA/PCI 16/25

A lot more. Please call for best competitor's price !

IDE SCSI I/O CARDS

Adaptec 1522 ISA SCSI 69
Adaptec 2940/UW SCSI Card 153/194
Adaptec 3985 Raid Controller .....Call
ISA IDE w/ 2S/1P/1G 12
DPT Raid Controller .....Call

A lot more, Please call for beat competitor's price !

TAPE/SCANNER/FAN

Colorado T3000/T4000 .....155/334
Cooling Fan w/ heat sink 486/586/686 .....7/13/19
Artec Scanner: Handheld/Flatbed.....69/319

A lot more. Please call for best competitor's price !

TERMS AND CONDITIONS

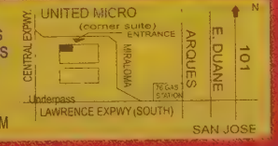
1 One year parts warranty on systems purchase
2 Prices and company policy subject to change w/o notice
3 Not responsible for typographic errors.
4 Return shipping must be insured, prepaid and bearing a RMA# on the shipping label. Buyer must pay his/her own postage for RMA
5 Shipping, insurance and COD charges are extra and non-refundable
6 List price reflect cash discount and limit to the available stock only.
* See store for detail. Limit to cash discount price and stock availability. United microsystems reserves the right to make any changes without notice

UNITED MICRO

One Company, Infinite Solutions !!

CALL FOR THE LOWEST PRICES ON OTHER ITEMS NOT LISTED.

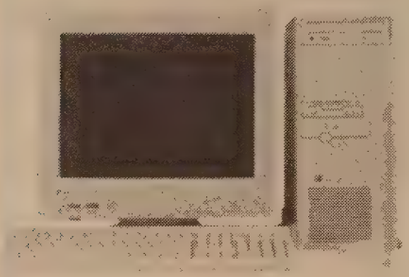
BUS. HOURS:
MON-SAT: 9AM-6PM



BUILD-TO-ORDER PC'S THAT ARE BUILT TO PERFORM

Laitron Computer has partnered with AMD to provide customers with computers that run at speeds unimaginable at prices that leave you imagining the possibilities.

AMD K6™ MMX™ ENHANCED PROCESSOR



-Asus SP97-V w/512K
-AMD K6-166 Processor
-16 MB EDO Simm 72P
-Quantum 3.2 GB DMA
-Diamond 2500 w/2MB
-SB 16 Compatible
-24X CD-Rom
-56K Int Fax/Modem
-1.44 Floppy Drive
-14" SVGA Monitor .28dp
-Speakers, Mouse
-Keyboard, Case
-Windows 95 CD

$979

-Asus TX97 M/B
-AMD K6-200 Processor
-32 MB EDO Simm 72P
-Quantum 4.3 GB DMA
-Diamond 3D 2000 4MB
-SB 16 Compatible
-24X CD-Rom
-56K Int Fax/Modem
-LS-120 120MB Floppy
-15" SVGA Monitor .28dp
-Yamaha YST M7
-Keyboard, Case, Mouse
-Windows 95 CD

$1349

GAMER'S DREAM

-Asus TX97 M/B
-AMD K6-233 Processor
-64 MB EDO Simm 72P
-Micropolis 2.1GB SCSI
-Initio 9100U Ultra SCSI

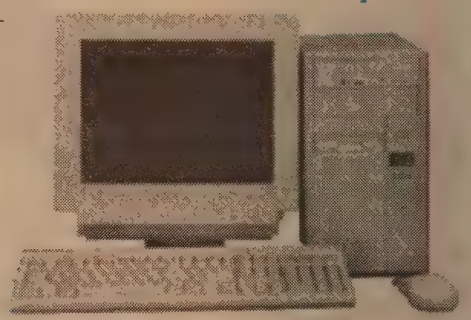
-Matrox Millenium II 4MB
-24X CD-Rom
-56K Int Fax/Modem
-Soundblaster Awe 64 Value
-17" SVGA Monitor .28dp

-Altec Lansing ACS 45 w/ Subwoofer
-Keyboard, Floppy, Case
-MS Mouse, Windows 95

$1999

---

intel® STELLAR SERIES



POWER STATION

-Asus SP97-V M/B w/512K
-Intel 150 MHz Processor
-16 MB EDO Simm 72P
-Western Digital 2.1 GB DMA
-Diamond 2500 w/2MB
-SB 16 Compatible
-24X CD-Rom
-56K Int. Fax/Modem
-14" SVGA Monitor .28dp
-Speakers, Mouse
-Keyboard, Case
-Windows 95 CD

$899

intel inside pentium

OFFICE WIZARD

-Asus TX97 M/B
-Intel 200MHz w/MMX
-32 MB EDO Simm 72P
-Quantum 4.3 GB DMA
-Diamond 3D 2000 4MB
-SB 16 Compatible
-24X CD-Rom
-Rockwell 56K Int Fax/Modem
-1.44 Floppy Drive
-15" SVGA Monitor .28dp
-Speakers, Mouse
-Keyboard, Case
-Windows 95 CD

$1359

LIGHTNING

-Asus P2L97 440LX M/B
-Intel Pentium II 266 MHz
-64 MB SDRAM
-IBM 4.3GB Ultra SCSI HD
-Initio 9100U Ultra SCSI
-ATI Expert@Play AGP 4MB
-24X CD-Rom
-56K Int Fax/Modem
-Soundblaster Awe 64
-Iiyama 9017E 17" .25dp
-Speakers, MS Mouse
-Keyboard, Floppy, MidCase
-Windows 95 CD

$2559

intel inside pentium II

DESKTOPS

SINCE 1991

SEVEN BAY AREA STORES
The Most Locations of Any Bay Area PC Store

Laitron computer has been serving the Bay Area for seven years, and we have grown from one store in 1991 to seven stores covering all major regions of the Bay Area. We are committed to providing the highest level of quality and service, and we will not accept otherwise. So when you buy from Laitron, you can be assured that you are receiving all the name brands that you want at the excellent prices you deserve. Unlike the other guys, we refuse to use cheap components in order to make the price of the system appear lower. We only use the highest grade components like Asus, Diamond, Quantum, Intel, and Yamaha to insure that you have the most reliable system possible. The Amazing thing is that our prices are still lower than the other guys. So come in to one of our seven convenient locations and experience a truly different kind of computer store.....one where people care. Our bottom-line is that we want to make sure you get the best price along with the best service.

POs ATM

LAITRON

NOTEBOOK SOLUTIONS FOR MOBILE COMPUTING

TOSHIBA

Toshiba T-660CDT

-Intel 150 MHz Pentium
-16MB RAM
-1.35 GB Hard Drive
-10X CD-ROM
-11.3" TFT

$3049

Toshiba Satellite 220CDS

-Intel 133 MHz Pentium
-16MB RAM
-1.4 GB Hard Drive
-10X CD-ROM
-12.1" DTSN

$1749

MEMORY UPGRADES for
IBM THINKPAD
TOSHIBA TECRA
COMPAQ ARMADA
HP OMNIBOOK
CHEMBOOK
APPLE POWERBOOK
FUJISTU LIFEBOOK
NEC VERSA

IBM

IBM Thinkpad 770

-233MHz
Pentium MMX
-32 MB RAM
-4.0GB
Hard Drive
-13.3" TFT

$5949

IBM Business Partner

COMPAQ

Compaq Armada 4160T

-166MHz Pentium MMX
-16MB/2..0GB/Li - Ion
-12.1" TFT Display

$3359

Compaq Armada 1530DM

-133MHz Pentium MMX
-16MB/1.4GB/10X/33.6K
-12.1" DSTN Display

$1895

Compaq Armada 7710MT

-150 MHz Pentium MMX
-16 MB/1.6GB/33.6
-12.1" TFT Display

$2899

CHEM USA

The Notebook Company

Chembook 2600

-166 MHz Pentium MMX
- 32MB/2.1GB/14X
- 33.6K Fax/Modem
- 2MB EDO Video
-12.1" TFT Display
- Battery NIMH
-Carrying Case

$2539

Chembook 2700

-233 MHz Pentium MMX
- 32MB/2.1GB/20X
- 33.6K Fax/Modem
- 2MB EDO Video
-14."2 TFT Display
- Lithium Ion Battery
-Carrying Case

$3899

IBM Thinkpad 380D

-150MHz Pentium
-16MB/1.08GB
-12.1" DSTN Display

$1899

IBM Thinkpad 560E

-150MHz Pentium MMX
-16MB/2.1GB
-12.1" DSTN Display

$2599

IBM Thinkpad 760XD

-166 MHz Pentium MMX
-32 MB/3.0GB/8X
-12.1" TFT Display

$4429

NOTEBOOKS SINCE 1991

SEVEN BAY AREA STORES
The Most Locations of Any Bay Area PC Store

SAN JOSE
1080 MONTAGUE EXPWY
San Jose, CA 95131
Cross-Street: Oakland Rd.
Sales
(408) 321-9488
Fax
(408) 321-8349

ALMADEN
6080 BLOSSOM HILL RD #3
San Jose, CA 95123
Cross-Street: Almaden Expwy.
Sales
(408) 978-9898
Fax
(408) 978-9901

MILLBRAE
[illegible]
Millbrae, CA 94030
Cross-Street: Millbrae Ave.
Sales
(415) 652-0888
Fax
(415) 652-0899

CORPORATE, EDUCATIONAL & GOVERNMENT POs WELCOME

www.laitron.com

Corporate Sales
1-888-Laitron

POs ATM

LAITRON

NETWORKING

SINCE 1991

SEVEN BAY AREA STORES
"The Most Trustworthy Name in the Bay Area PC Store"

BERKELEY
2010 UNIVERSITY AVE
Cross Street: Shattuck
Sales
(510) 647-1777
fax
(510) 647-1333

PLEASANT HILL
1601 CONTRA COSTA BLVD STE. #
Cross Street: 2nd Avenue South
Sales
(510) 798-7688
fax
(510) 798-8396

HAYWARD
21091 SANTA CLARA ST. STE. #D
Cross Street: Mission
Sales
(510) 266-0606
fax
(510) 266-0522

PLEASANTON
5847 HOPYARD RD. SUITE # A
Sales
Cross Street: Bernal Av.
(510) 460-0580
fax
(510) 460-0591

CORPORATE, EDUCATIONAL & GOVERNMENT POs WELCOME

www.laitron.com

Corporate Sales
1-888-Laitron

POs ATM

LAITRON

digital™ SERVERS THAT ENERGIZE YOUR COMPANY NETWORK

Prioris ZX 6000 Series

Starting From
$6900

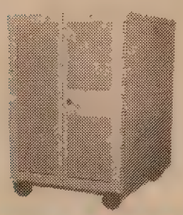
-Pentium Pro 200 MHz Expandable up to four SMP 200MHz Pentium Pro processors w/512K
-Maximum memory expandability of 2.0GB of ECC memory.
-PCI RAID, PCI Fast Wide SCSI, PCI Fast Ethernet

DIGITAL SERVERS

Laitron Computers has been providing Digital Server solutions toSilicon Valley companies for many years. We can work with you to see what configuration best serves the needs of your network. Our Network Engineers come from a variety of backgrounds and can provide you with a wealth of knowledge to build a network within your company or to optimize an existing network. Give us a call for a free quote.

Microsoft SOLUTION PROVIDER

Novell. Gold Partner PartnerNet



intel inside PENTIUM PRO PROCESSOR

CYCLE SERVERS

-Intel Providence Dual P-Pro M/B
-Two Intel P-Pro 180 MHz CPUs
-128K ECC SDRAM Memory
-Adaptec 2940UW Ultra Wide SCSI Controller On Board
-Two Micropolis 4.3GB UW SCSI HD
-Toshiba 24X CD-ROM
-Intel 10/100 Fast Ethernet On Board
-Diamond 3D 2000 w/2MB
-16 Bit Sound On Board
-MS NT 4.0 Server Edition
-Full Server Case w/ Hot Swap

$3449

Breakthrough Performance at A Breakthrough Price!

NETWORK CARDS

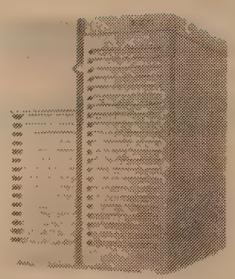
NE2000 ISA COMBO	$25
NE2000 PCI COMBO	29
NE2000 10/100 Mbps PCI	49

NETWORK HUBS

8 Port Hub 10-Base T	$69
16 Port Hub 10 Base T	129
32 Port Hub 10 Base T	299

IBM PC SERVER 704

IBM Business Partner



Starting From
$6,549

IBM PC Server 310	$CALL
IBM PC Server 315	CALL
IBM PC Server 325	CALL
IBM PC Server 330	CALL
IBM PC Server 704	CALL
IBM Netfinity 7000	CALL
IBM Netfinity EXP10	CALL
IBM Token Ring PCI	CALL

We also carry the full line of IBM PC s

3Com®

NETWORK CARDS

3C509B TPO	$44
3C900 PCI Combo	77
3C905-TX 10/100 TP	61

NETWORK HUBS

3C16700 Off. Conn. 8 TP	$118
3C16590 Dual Spd. 12Prt	1190
3C16591 Dual Spd. 24Prt	1830

PCMCIA CARDS

XJ1560 56K PCMCIA	$215
XJ1366 33.6K PCMCIA	198
XJ4288	248

HP HEWLETT® PACKARD

Net Servers WorkStations

NETSERVERS

HP Net Server E Series	$CALL
HP Net Server LH Pro Series	CALL
HP Net Server LXR Pro Series	CALL

WORKSTATIONS

HP Vectra XA Series	$CALL
HP Vectra XU Series	CALL
HP Vectra XW Series	CALL

NETWORK PRINTERS

HP Laserjet 5Si/5SiMX	$2339/3349
HP Laserjet 5N	1279
HP Mopier 5Si	4439

SCSI, IDE, LS-120, ZIP, DAT.....
YOU NAME IT WE GOT IT.....

THE SCSI SPECIALISTS

"NOBODY BEATS OUR PRICES ON SCSI"

IBM

2.1GB UW SCSI $229
4.3GB Ultra SCSI 379
4.3GB UW SCSI 5400 RPM 339
4.5GB UW SCSI 7200 RPM 675
9.1GB UW SCSI 7200 RPM 789

MICROPOLIS

2.1GB SCSI II 4421 .....$189
4.3GB UW SCSI 4743 5400 RPM 345
4.5GB UW SCSI 4345 7200 RPM 579
9.1GB Ultra SCSI 3391U 789
9.1GB UW SCSI 3391W 799

QUANTUM

2.1GB SCSI II $199
2.1GB Ultra SCSI 325
2.1GB UW SCSI Atlas 339
4.5GB UW SCSI 34550 Atlas 579
9.1GB UW SCSI 39100 Atlas 849

SEAGATE

2.1GB SCSI II 32171N $459
2.1GB SCSI II 32171W 489
4.5GB Ultra SCSI 34572N 615
4.5GB UW SCSI 34501 10,000RPM ...715
9.1GB Ultra SCSI 19171N 899
9.1GB UW SCSI 19171W 929
9.1GB U SCSI 19101N 10,000RPM ..1175
9.1GB UW SCSI 19101W 10,000RPM 1225

ULTRA DMA IDE

"TWICE AS FAST AS EIDE.....33MB/Sec"

FUJITSU

1.2GB Enhanced IDE $129
3.5GB Ultra DMA IDE 189
5.2GB Ultra DMA IDE 309

QUANTUM

1.6GB Ultra DMA IDE $149
2.1GB Ultra DMA IDE 175
3.2GB Ultra DMA IDE 199
4.3GB Ultra DMA IDE 249
6.4GB Ultra DMA IDE 349

WESTERN DIGITAL

3.2GB Ultra DMA IDE $199
4.3GB Ultra DMA IDE 249
6.4GB Ultra DMA IDE 335

CD RECORDERS

YAMAHA

CDR 400i 4x6 CD int/ext. $489/549

PHILLIPS

CDR 6200S 2x6 CD int/ext ...$445/495

REMOVABLE STORAGE

IOMEGA

ZIP 100MB IDE $119
ZIP 100MB SCSI int/ext 135/145
ZIP 100MB Parallel Port 145

SYQUEST

SYJET 1.5GB SCSI int/ext ...$285/375

SCSI CONTROLLER CARDS

INITIO (*Win95, WinNT, Novell Drivers)

Initio 9100U Ultra SCSI $119
Initio 9100UW Ultra-Wide 139
Initio 9520 Ultra SCSI & 10/100 279

- STORAGE

SINCE 1991

SEVEN BAY AREA STORES
The Most Locations of Any Bay Area PC Store

SAN JOSE
[illegible] MONTAGUE EXPWY
SAN JOSE, CA 95131
[illegible]
Sales
(408) 321-9488
Fax
(408) 321-8349

ALMADEN
[illegible] ALMADEN BLVD
San Jose, CA 95113
Cross Streets: Almaden Expwy
Sales
(408) 978-9898
fax
(408) 978-9901

MILLBRAE
[illegible] EL CAMINO REAL
Millbrae, CA 94030
Cross Streets: Millbrae Ave
Sales
(415) 652-0868
fax
(415) 652-0899

CORPORATE, EDUCATIONAL & GOVERNMENT POs WELCOME

www.laitron.com

Corporate Sales
1-888-Laitron

POs ATM

LAITRON

MONITORS

SINCE 1991

SEVEN BAY AREA STORES
The Most Locations of Any Bay Area PC Store

BERKELEY
2113 UNIVERSITY AVE
Sales
(510) 647-1777
fax
(510) 647-1333

PLEASANT HILL
[illegible] CONTRA COSTA BLVD STE B
Sales
(510) 798-7885
fax
(510) 798-8396

HAYWARD
[illegible] SANTA CLARA ST AVE 300
Sales
(510) 266-0606
fax
(510) 266-0522

PLEASANTON
4044 HOPYARD RD. SUITE D-8
Sales
[illegible] Stoneridge Dr.
(510) 460-0580
fax
(510) 460-0597

CORPORATE, EDUCATIONAL & GOVERNMENT POs WELCOME

www.laitron.com

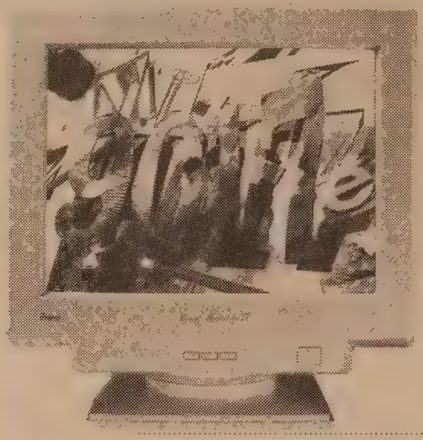
Corporate Sales
1-888-Laitron

POs ATM

LAITRON

MONITORS THAT LET YOU SEE THE REAL PICTURE

iiyama VISIONMASTER



PC MAGAZINE EDITORS' CHOICE

3 YEAR WARRANTY

PC WORLD BEST BUY

iiyama

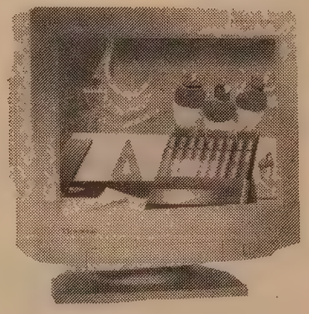
8515G 15"	.28DP	$295
8617E 17"	.26DP	.529
9017E 17"	.26DP	.615
9021E 21"	.30DP	.1329
8221E 21"	.27DP	.1269
8721E 21"	.27DP	.1389
31CM LCD 13.8"		.2399

Laitron Computer is iiyama's #1 volume retailer on the entire West Coast. This means that our customers get the very best prices on iiyama Monitors! No other store can beat our prices. Since we buy these monitors in large volume, we buy direct from iiyama, and pass the savings on to you. Come in to one of our stores to see a demo of the monitor that PC World ranked the #1 monitor of the year, the VisionMaster 9017E 17".

- Consistently given highest rankings in prestigous magazines
- ISO-9002 Certified
- 3 Years Parts and Labor
- 48 Hour Hot Swap

ViewSonic®

E641 14"	.28	$199
15GS 15"	.28	.294
G771 17"	.25	.499
17PS 17"	.25	.615
G800 20"	.28	.939
PT813 21"	.25	.1289
P815 21"	.25	.1375
29GA 29"	.28	.2089



MAG INNOVISION

ArtMedia®

1664 15"	.28	$309
1864 17"	.25	.589
1885 17"	.25	.759

SONY

100SX 15"	.25	$335
100SF 15"	.25	.345
200SX 17"	.25	.599
200SF 17"	.25	.625
300SFT 20"	.30	.1299

Impression® MONITORS

3 Plus 14"	.28	$165
5VX 15"	.28	.242
7 Plus 17"	.27	.459
Vienna 17"	.25	.589
Vienna 21"	.28	.1299

Prices reflect a 2% Cash Discount.

NEC

NEC Technologies

P750 17"	.25	$799
P1150 21"	.28	.1309

ACCESORIES TO MATCH EVERY OUTFIT

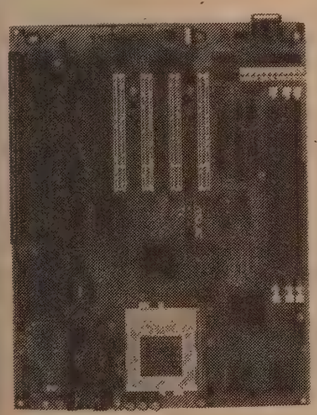
MOTHERBOARDS w/o CPUs

ASUS

SP97-V 1MB On Board Video, Hi Speed IO (supports MMX) . . .$94
P/I-P55T2P4 Intel Triton II 430HX 3ISA/4PCI 512K PB, EIDE, & HI I/O 75-200MHZ (supports MMX). 134
XP55T2P4 ATX Form Factor . .139
TX97 4ISA/4PCI w/512K PB, Intel 430TX, EIDE & HI-Speed IO 75 200Mhz(MMX Ready) 155
TX97-E 3ISA 4PCI Intel Triton 430 TX, 512K PB,EIDE & I/O, 4SIMM, 2DIMM 159
TX97-X 4ISA/4PCI w/ 512k PB, 430TX, Sound Blaster16 Audio, USB, EIDE & IO ATX 189
TX97-XE 4ISA/4PCI w/ 512k PB, 430TX, USB, EIDE & IO 4 72-Pin Simm, 2 168-pin Dimm ATX. .159
P2L97 P-II AGP, PCI, DIMM . . .199
P2L97S P-II, AGP UW SCSI . .339
P2L97DS Dual P-II w/2940UW 489

intel

Venus Pentium Pro W/ EIDE, Hi Speed IO, Natoma Chipset, Pro150-200 145
Providence Dual Pentium-Pro, 10/100 Base-T, USB, IDE, IO, Adaptec SCSI & Sound On Board 219
Atlanta Pentium II AGP, PCI, EIDE, IO,Sound Chip On Board 288



Prices reflect a 2% Cash Discount.

US Robotics

SPORTSTER 56K
Int Fax/Modem (oem)

$129

Logitech

Logitech First Mouse
2 Button
$10.99

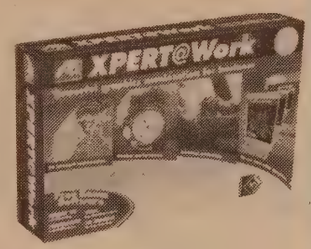
We Are an Authorized Dealer and Service Center

DIAMOND MULTIMEDIA

COMPAQ

HEWLETT PACKARD IBM

TOSHIBA



ATI Xpert@Work
4MB SGRAM AGP Card

$159

PRINTERS

HP Laserjet 6LXI	$389
HP Laserjet 6PXI	739
HP Laserjet 5	1049
HP Laserjet 4V	1849
HP Color Laserjet 5	3859
HP Deskjet 820CXi	275
HP Deskjet 870 CXi	375
HP Deskjet 1600C	1319
Epson Stylus 400	198
Epson Stylus 600	265
Epson Stylus 800	379

CD-ROMS

Teac 24X IDE	$79
Toshiba 24X IDE	85
BTC 20X	69
Toshiba 15X SCSI	119
NEC 24X SCSI	135

OKIDATA
Division of OKI America, Inc.

MANAGER'S SPECIAL!!!

OKIPAGE 6ex PS

-600X600 DPI
-12 Pages Per Minute
- 6MB of Memory
- Postscript
- Network Capable

$599

LIMITED QUANTITIES!!

TERMS AND CONDITIONS

1) One year parts and Three year labor warranty.
2) Prices and availability are subject to change without notice or obligation.
3) Shipping, COD, & insurance are extra and not refundable.
4) All prices reflect cash discount.
5) All returns must have Return Merchandise Authorization (RMA) Number.
6) All returns must be in original packaging complete with manual, software,...etc.
7) 15% restocking charge on returns after three days.
8) Laitron Computer is not responsible for any typos
9) All Prices are final on the date of purchase.
10) Some Items may require special orders.

UPGRADES & ACCESSORIES SINCE 1991

SEVEN BAY AREA STORES
The Most Locations of Any PC Store!

SAN JOSE
1320 MONTAGUE EXPWY
SAN JOSE, CA. 95131
Sales
(408) 321-9488
Fax
(408) 321-6349

ALMADEN
[illegible]
Sales
(408) 978-9898
Fax
(408) 978-9901

MILLBRAE
[illegible]
Sales
(415) 652-0888
Fax
(415) 652-0899

CORPORATE, EDUCATIONAL & GOVERNMENT POs WELCOME

www.laitron.com

Corporate Sales 1-888-Laitron

POs **ATM**

AMERICAN EXPRESS MasterCard DISCOVER VISA

LAITRON

Have A Musical Holiday! *continued from page 74*

The school's philosophy is that creating music is crucial to understanding music, and they provide you with tools to do so. This is not note drill, but rather an exploration of some of the more complex musical concepts involved with composition: meter, melodic shape, syncopation, and retrograde, to name a few.

While the program offers an easy introduction to playing with rhythm and melody, it will take you some time to become a master at it. Rhythm is graphically represented as horizontal rectangular units—the longer the duration, the wider the unit. Pitch is displayed vertically, with the dots ascending or descending depending upon pitch. Melody, a combination of pitch and rhythm, horizontally elongates these dots to accommodate duration. (Are you still with me?) This graphical formulation allows you to compose fairly complex rhythms and melodies without knowing musical notation.

The Adventure part is really secondary, but its amusing graphics will encourage younger players to venture into the castle to explore. The object is to free the queen and restore her lands to the harmony that was destroyed by the evil Gnoise. To accomplish this, you will have to solve musical puzzles to gain the necessary keys. There is a blacksmith pounding out syncopated rhythms, a princess whose melody keeps needing repair, a royal kitchen with pots and pans, a chess garden, a dragon's lair, and a throne room where musical experiences are parsed out.

The three levels will keep players of all ages coming back for a long time. The music is mainly classical—although there is a little jazz and a broad range of rhythms. In the rhythm section, your choice of three percussive instruments allows you to create complicated rhythm interactions. Melody is simpler—while you control rhythm and pitch, you have only a single voice.

After all the work it would have been nice to be able to compose for two or three voices. For the musically impaired, a more extensive manual would have been appreciated. The program leaves you wanting to know more about music. Maybe next year Juilliard will offer an advanced class. (*Juilliard Music Adventure*, $29.95, Theatrix, Mac/Win3.1 and 95 hybrid disk). ■

Copyright © 1997 by Gen Katz. All rights reserved.

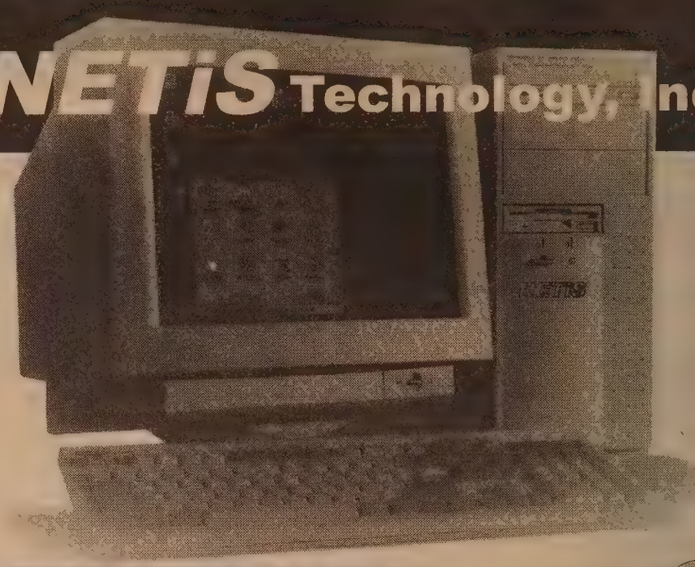
Resources:

Sim Tunes
URL: *http://www.maxis.com/games/my_3_sims/index.html*
1-800-245-4525

Kids Piano Discovery
URL: *http://www.jumpmusic.com*
1-800-289-5867

Juilliard Music Adventure
URL: *http://www.theatrix.com*
(510)568-2800

NETiS Technology, Inc



NETiS MMX SERIES

- PCI Pentium MMX Motherboard
- Intel Pentium® MMX Processor
- 512K Cache w/Cooling Fan
- 32MB EDO RAM, exp. to 128MB
- WD 3.1GB EIDE Hard Drive
- Teac 1.44MB Floppy Drive
- ATI 3D XPression+ w/4MB DRAM
- Toshiba 24X EIDE CD-ROM
- USR Sportster 33.6K Int. Fax Modem
- SoundBlaster AWE64 PnP Sound Card
- Amplified 30W Speakers
- Middle Tower Case/Keyboard
- 17" Non-interlaced .28dpi Monitor
- MS Windows 95
- 1 year Parts & Labor warranty

Grand Opening Special

FREE
Logitech Mouse & Mousepad w/System Purchase

FREE
Anti-virus Software By Trend Micro w/System Purchase

166MHz MMX	$1532
200MHz MMX	$1645
233MHz MMX	$1711

NOTEBOOKS

COMPAQ
1530DM- 5/133MMX, 16MB, 1.4GB HD, 10x, 33.6, DSTN.....$2,079
4130T - 5/133, 16MB, 1.4GB, TFT.....$2,114
7710MT - 5/150MMX, 16MB, 1.6 GB HD, 33.6, TFT....$2,849
7730MT - 5/166MMX, 32MB, 2.1GB HD, 33.6 TFT.....$4,379

TOSHIBA
440CDX-5/133MMX, 16MB, 1.44GB HD, 10x, DSTN.....$2,087
440CDT-5/133MMX, 16MB, 1.44GB HD, 10x, TFT.....$2,859
460CDT-5/166MMX, 32MB, 2.1GB HD, 10x, TFT.....$3,939

Twinhead
Slimnote9-5/133, 16MB, 1.4GB HD,20x, DSTN.....$1,911
Slimnote9-5/166 MMX, 32MB, 2.1GB HD,10x, 33.6, TFT..$3,055

Please call for pricing on other products

PRINTERS

HEWLETT PACKARD

Color InkJet
820Cxi, 6.5/4 ppm, black/color, Win95.....$274
870Cxi, 8/4 ppm, black/color.....$399
1600C, 9/4 ppm, black/color.....$1398

LaserJet
6Pxi, 8 ppm, 600 dpi.....$789
5, 12 ppm, 600 dpi, 33MHz RISC.....$1,068
5M, 12 ppm, 600 dpi, 33MHz RISC, PostScript, NIC..$1,629
4V, 16 ppm, 600 dpi, 33MHz RISC.....$1,889
5Si, 24 ppm, 600 dpi, 40MHz RISC.....$2,529
5SiNx, 24 ppm, 600 dpi, 40MHz RISC, NIC.....$2,777
5SiMx, 24 ppm, 600 dpi, PostScript, NIC.....$3,639
Color 5, 10/3, ppm, black/color, 1200 dpi.....$3,977
Color 5M, 10/3 ppm, 1200 dpi, PostScript, NIC..$4,988

NETiS Technology, Inc
705 Veterans Blvd., Suite 1
Redwood City, CA 94063
Business Hours:
Mon-Fri: 8:30am-6:00pm
Sat: 10:00am-4:00pm PST

☎ 650-363-0293
Fax 650-363-0281
Email: lori@netistech.com
WWW page: http://www.netistech.com

★ ★ ★ **Rave Reviews! Great Products!** ★ ★ ★

"Fast, good price for Pentium Pro-200MHz"
PC World, January 1997

"Under $2000, well-configured, lots of features..."
PC World, May 1996

"Low price for a P120, 1.6GB hard drive, full multimedia..."
PC World, April 1996

NETIS NT WORKSTATION

- Intel Pentium® Pro 200MHz Motherboard
- Intel Pentium® Pro 200MHz Processor
- 32MB EDO Memory
- 2.1GB Ultra IDE Hard Drive
- Teac 1.44MB Floppy Drive
- PCI SVGA with 1MB DRAM
- 24X EIDE CD-ROM
- Logitech Mouse w/Pad & Keyboard
- Middle Tower Case w/Power Supply
- 15" Non-interlaced .28mm SVGA Monitor
- NT 4.0 Workstation

▶ **MS Office Pro 97 $219** (With system order)

200MHz w/256K $1517

200MHz w/512K $2012

COMPAQ SERVER

- ProLiant 800 6/200 Server
- Intel Pentium® Pro 200MHz CPU w/256K
- 32MB ECC DIMM Memory
- Non-pluggable 2.1GB UW SCSI Hard Drive
- Integrated Ultra Wide SCSI Controller
- Teac 1.44MB Floppy Drive
- Integrated SVGA w/1MB DRAM
- 8X EIDE CD-ROM
- Keyboard and Mouse
- Sampo 14" Non-interlaced SVGA Monitor
- Netelligent 10 T/2 PCI UTP Network Card
- Integrated Insight Manager Software
- 3 Years On-site Warranty

▶ Server with 128MB memory **$4229**

$3288

HP VECTRA

- VL/5 MMX
- Intel Pentium® 166MHz MMX Processor
- 256K Pipelined Burst Cache
- 16MB EDO Memory
- Integrated PCI EIDE Controller
- 2.5GB EIDE Hard Drive
- 1.44MB Floppy Drive
- S3 Trio 64 w/2MB DRAM
- 24X EIDE CD-ROM
- Sound Blaster 16-bit Sound Card
- Speakers w/Headphone
- Keyboard & Mouse
- MS Windows 95/WFW

▶ **Please call for other models and options**

$1297

COMMUNICATIONS

Novell Intranetware 4.11	
5 users	$771
10 users	$1,409
25 users	$2,515
50 users	$3,389
MS NT 4.0 w/5 users (OEM)	$657
MS NT 4.0 workstation(OEM)	$175
9 port 10BT Hub	$71
24 port 10BT Hub	$229
8 port 100BT Hub	$399
3Com ISDN Modem	$269
3Com PCI 905TX 100BT Ethernet	$73
Intel PCI 100BT Ethernet	$67
HP JetDirect EX Plus	$289
Ascend Pipeline 50	$617
Ascend Pipeline 75	$686
Cisco 2501 Router	$1879

One Stop Shopping For Corporate NETWORK SOLUTIONS

- Networking Hardware/Software
- Network Design, Installation & Training
- Turnkey Solution/System Integration
- Internet Connectivity Solution
- Top-Notch Expertise/Support in Novell
- NetWare, UnixWare, Windows NT,
- SCO UNIX/ODT, Solaris, Lantastic &
- TCP/IP Networking
- File/Print Server
- NetWare/UNIX Connectivity
- Internet E-Mail Gateway
- Network Backup Server
- FAX Server
- CD-ROM Server
- Dial-in/Dial-out/Modem Server
- Storage Subsystems

INTERNET/WORLD WIDE WEB SETUP AND CONSULTATION

Consulting services on:

- Internet service provider selection
- Hardware/software selection
- Security firewall design/setup
- WWW Server/Email/FTP Setup
- WWW Home Page design
- ISDN/Frame Relay/T 1 set up

COMPAQ Authorized Dealer & Service Center
Microsoft Solution Provider Compatible
Twinhead
Authorized VAR
Hewlett Packard VAR Reseller
Novell Gold Authorized Reseller
ciscopro Authorized Dealer
IBM VAR Reseller
SAMPO

NETiS Technology, Inc.

☎ **408-263-0368**
Fax 408.263.4624

Our Peninsula Branch is now open

1606 Centre Pointe Drive
Milpitas, CA 95035 (near Great Mall)

Email: sales@netistech.com
WWW Page: *http://www.netistech.com*

Business Hours:
Mon-Fri 8:00am-6:00pm

Price, Terms, Specifications, & Availability subject to change without notice. Not responsible for typographical errors. Prices reflect Cash discount. 48- Hours system burn-in. Registered Trademarks are Trademarks of their respective owners.

NETiS Technology, Inc. 408-263-0368 650-363-0293
Email: sales@netistech.com
Email: tori@netistech.com
WWW Page http://www.netistech.com

Imagine watching crystal-clear full-screen movies with five-speaker Dolby Surround Sound reverberating in the background. Imagine accessing a compact disk with a storage capacity of over twenty normal CDs. Imagine playing games at 30+ frames per second with fantastic lighting effects, translucent water and smooth terrain and objects.

DVD And 3-D

Your Ticket To State-Of-The-Art PC Gaming

By Jim Pedicord

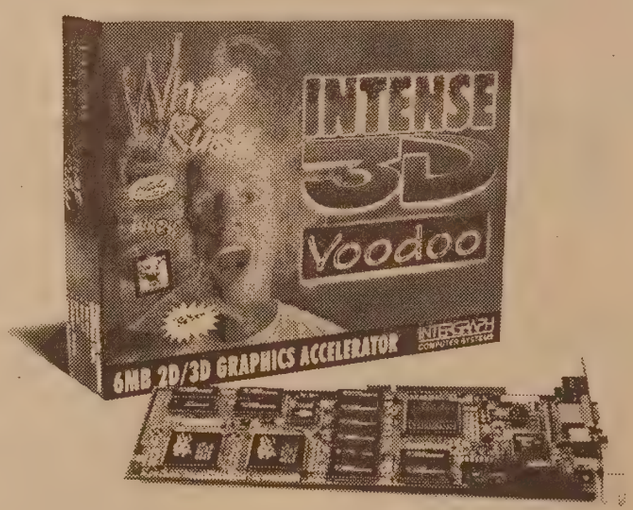
All this is possible with some of today's newest and hottest hardware on the market: Digital Video Disk (DVD) and 3-D Graphics cards.

Digital Video Disks (DVDs)

Many people would think of DVDs as consumer products that are basically nothing more than a compact video laser disk, but in reality they are very multi-functional.

You can now buy consumer units which connect to your TV, giving you the ability to watch digital movies. For the future, the computer industry envisions them as the eventual heir to the CD market, with the ability to play full-motion video at 30fps and store up to 17GB of information. Entire movies may easily be stored on one DVD; with the added space, additional features such as multiple camera angles, Dolby Surround Sound, letter-box versions and multiple soundtracks may all be stored on the same disk.

Players appear physically exactly like a CD-ROM drive, even fitting in the same full-height (1 3/4") bay on the computer. While they can read DVDs, these units are also backwards compatible with CD-ROM, audio CD, Photo CD and even CD-Video. The first units on the market can read single-layer DVDs holding up to 4.7GB of information, while the second-generation units can read single or double layers on both sides which can add up to 17GB of data. Second-generation units also have the capability to read CD-R disks (writable CDs) and have faster seek and data transfer rates.



Though advertised now as a new medium for storing and playing movies, the future holds enormous promise for the computer user. Already several major game publishers are working on DVD titles; DVD writers are expected next year, offering the ability to store and retrieve these huge amounts of data.

Hi-Val Wireless DVD System

This unique system comes with everything you need to use a DVD in your computer and television, even if they are located rooms away. Complete with the DVD PCI tuner, DVD, cables and software, this kit offers the added bonus of a pair of high-frequency remote units, which can send the output of the DVD directly into your television set as far as 500' away—even through solid walls. The Toshiba drive itself is a first-generation model with S-Video and composite outputs on the encoder card. A six-DVD bundle rounds out the package including popular titles like *Wing Commander 4* and *Spycraft.*

Installation was very simple and the system was up in running in under an hour. The drive fits easily into any 1 3/4" bay, while the decoder card plugs into an empty PCI slot. I hooked it up on my secondary IDE port with my normal CD-ROM, installed the Win95 software, and everything was ready to run. The wireless transmitter connects to the decoder card while the receiver is plugged into the video jacks on a television. I popped in *The Africa Serengeti,* filmed in IMAX, and it immediately was playing crystal clear on my monitor. I turned the wireless units on and checked out the television and found the same picture running perfectly with no degradation from being transmitted.

For someone wishing to have a DVD for their computer and for watching movies, this system gives the best of both worlds. The remote units, though taking up a reasonable amount of space, look nice and can be located behind the TV and computer. ($849.99)

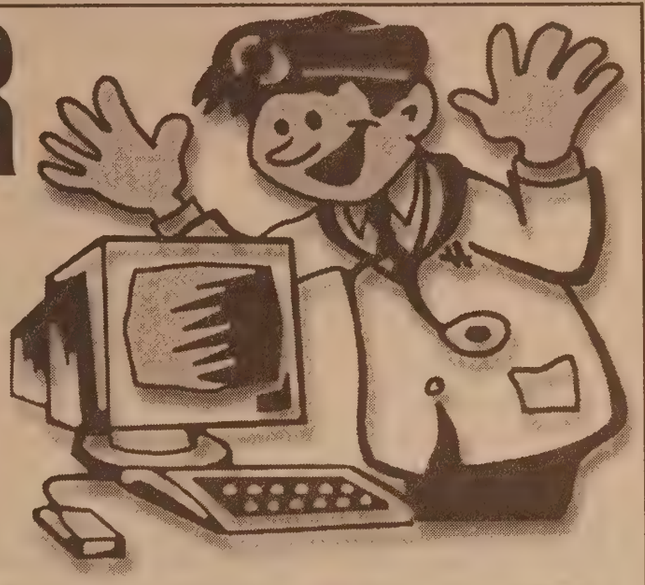
Creative Labs Encore Dxr2

The first of the so-called second-generation DVDs, this unit includes the drive, decoder card, cable and two software titles (*Wing Commander IV* and *Claw*). Complete with S-Video and composite video outputs on the decoder cards, this card is configured slightly different from the Hi-Val card, using a pass-through video connector to connect directly with the video cards. Installation is very easy and there are some minor features which really help. On the decoder card are two connectors for audio input so you can plug in from a normal CD player *and* from the DVD drive, if you wish to have both units in your system.

Creative adds its DynamicXtended Video Resolution to the mix (Dxr2) which uses filtering and scaling to achieve near-picture-perfect video on your monitor. Being a second-generation unit, the drive will read CD-R disks and has slightly better access times and almost twice as fast transfer rate as the Hi-Val. I loaded up *Wing Commander IV* and was amazed at how well the re-compressed video and audio appeared compared to the original CD-ROM (and no disk

PC DOCTOR

WE GIVE YOU MORE FOR LESS



COMPLETE PENTIUM® 166 W/MMX WITH 15" MONITOR

Intel 166MMX with 512K, 16MB RAM, 1.6GB Fast IDE HD, 20X CD,
3D 2MB Video, 16-Bit PnP Sound Card, 33.6 Fax/Modem, 1.44MB Floppy,
Mini Tower Case, 104-Key Keyboard & 3-Button Mouse

ONLY $825

S3 4MB 3D PCI Video Card $45

Opti 16-Bit PnP Sound Card $15

2.6GB Ultra DMA Hard Drive $159

with ANY QUESTIONS regarding CONFIGURATIONS or for an ON-THE-SPOT QUOTE 510.264.9395

BACK-TO-SCHOOL

VIA 580VX w/512K MMX Ready
PCI 64 Bit 1MB Video w/MPEG
1.44 Floppy Drive
1.2GB IDE Hard Drive
8X IDE CD-ROM
16MB EDO RAM 60ns
16-Bit PnP Sound Card
33.6 Fax Modem
60W Speakers
104 for Win 95 Keyboard
3-Button Serial Mouse
Mini-Tower Case 230 Watt

CYRIX 166+/200+/166MMX 542/558/575
AMD 166/166MMX 572/602
INTEL 150/166MMX..... 572/608

3D GAME MACHINE

Intel Triton VX 512K MMX Ready
3D 4MB 64 Bit PCI Video MPEG
1.44 Floppy Drive
2.1GB IDE Hard Drive
20X IDE CD-ROM
32MB EDO RAM 60ns EDO
3D Yamaha 16-Bit Sound
33.6 Fax Modem
3D 200W Speakers
104 for Win 95 Keyboard
Hi-Res. Ergonomic Mouse
Super Mini-Tower Case 230 Watt

CYRIX 166+/166MMX..... 691/717
AMD K6 166MMX/200MMX 747/791
INTEL 166MMX/200MMX ... 757/857

SIMPLY THE BEST

Intel Triton TX 512K MMX Ready
ATI 3D RAGE 4MB SG RAM Video
1.44 Floppy Drive
4.3GB Ultra IDE Western Digital
24X IDE CD-ROM
32MB EDO RAM
64-Bit Sound Blaster Sound Card
56.6 Fax Modem w/Voice
360W Speakers w/Surround Sound
104 for Win 95 Keyboard
Logitech 3-Button MouseMan
Medium Tower Case UL Certified

AMDX6 200MMX/233MMX. 1083/1284
INTEL 200MMX/233MMX.. 1139/1249
Pentium® II MMX 233/266/300 ..... 1445/1569/1789

MONITORS W/3-YEAR WARRANTY
14" SVGA NI ANALOG .28 DP 139
15" SVGA NI DIGITAL .28 DP 199
17" SVGA NI DIGITAL .28 DP 395
17" SVGA NI DIGITAL .26 DP 419
20" SVGA NI DIGITAL .26 DP 889

CASES W/ POWER SUPPLY
MINI TOWER/DELUXE UL CERT 24/27
SUPER MINI TOWER DELUXE UL CERT . 26/35
MID TOWER/DELUXE UL CERT 45/47
MID TOWER ATX 55
FULL TOWER DELUXE UL CERT..... 55/59
DESKTOP 29
POWER SUPPLY 230/250W 19/21

MOTHERBOARDS
486 5x86 PCI VLB w/ IO 49
VIA 580VX 512K-MMX READY 59
INTEL TRINITON VX 256K-MMX READY ... 66
INTEL TRINITON VX 512K-MMX READY ... 72
INTEL TRINITON TX 512K-MMX READY ... 83
ASUS LX 97 PENTIUM® II ATX..... 209

SPEAKERS
4/60W 4/13
120/200W 17/25
360 w/ 3D SURROUND SOUND..... 35

FAX/MODEMS
33.6/56.6 US ROBOTICS 95/155
33.6/56.6 ROCKWELL WITH VOICE 49/79

MEMORY
30 PIN 1/4MB 4/17
72 PIN 4/8MB 17/25
72 PIN 16/32MB 42/95
168 PIN SDRAM 16/32MB 59/105

KEYBOARDS
MITSUMI 104 WIN 95..... 12
MITSUMI 104 WIN 95 PS2 13
104 NATURAL..... 32
104 NATURAL w/ TOUCH PAD..... 59

CD-ROM
8X/16X IDE 53/69
20X/24X IDE 65/79

MICE
3-BUTTON SERIAL/PS2 ..... 5/7
SUPERMOUSE HI RES SERIAL 15
LOGITECH 2-BTN SERIAL 15
LOGITECH MOUSEMAN SERIAL /PS2... 21/22
MS INTELLIMOUSE SERIAL/PS2 ..... 24/25

VIDEO CARDS
PCI 32 BIT 1MB/2MB..... 20/26
PCI 64 BIT 1MB/2MB..... 24/30
S3 3D 2MB/4MB 33/45
TRIDENT TV OUT 3D 2MB..... 38
TRIDENT TV OUT 3D 4MB..... 50
ATI 3D RAGE II 4MB SGVRAM 85
ISA / VLB 1MB..... 25/26
1MB VIDEO RAM 6

OTHER
COBRA DELUXE JOYSTICK..... 15
PRINTER CABLE..... 5
CD-AUDIO CORD 2
IOMEGA ZIP CARTRIDGE 14
MOUSE PAD..... 2
SECONDARY CASE FAN 5
PC MICROPHONE..... 8

CPU
INTEL P5 133/150 ..... 105/99
INTEL MMX 166/200/233 ..... 135/235/345
AMD K6 MMX 166/200/233..... 125/169/370
CYRIX P166+/200+ 69/85
CYRIX166MMX/200MMX 95/129

SOUND CARDS
OPTI 16 BIT PNP 15
YAMAHA 16 BIT 3D SOFT WAVE..... 17
SOUND BLASTER 16..... 45
SOUND BLASTER 33..... 69
SOUND BLASTER 64..... 80

FLOPPY DRIVES
1.44/1.2..... 19/5

NETWORKING
ISA ETHERNET CARD 10BT COMBO 17
PCI ETHERNET CARD 10BT COMBO 25
3COM 3C905-TX 10/100BT 65
5-PORT 10BT HUB 45
8-PORT 10BT HUB 55

SOFTWARE
WIN 95 OEM OSR2..... 75
OFFICE 97 RETAIL PROFFESIONAL 175
LOTUS SMARTSUITE 97..... 49

PIPELINE CACHE
256/512K PIPELINE..... 6/15
ASSINK 256K (486) 13

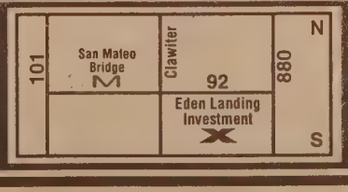
HARD DRIVES
FUJITSU 1.2/2.1/2.6 ..... 115/155/159
WD 1.6/2.1/3.1 ..... 139/165/205
IOMEGA 100 ZIP DRIVE INT / EXT 99/149
WESTERN DIGITAL ULTRA DMA 4.3/6.4.. 240/320

TEL (510) 264-9395 • FAX (510) 264-9396

3475 Investment Blvd. #4, Hayward, CA 94545

Open: Monday - Friday 10-7 and Saturday 10-5 • WHOLESALERS: PLEASE FAX YOUR PRICE LIST

Terms: Advertised prices reflect 2% cash discount. All parts and systems are covered by a 1-year parts and labor warranty.
30-day returns with 10% re-stocking fee.
Prices subject to change without notice and subject to stock availability. Not responsible for typographical errors.



swapping either!). With a very attractive price the Encore Dxr2 should fill your computing DVD needs. ($379.99)

3-D Video Cards

One of more dramatic hardware changes in computer entertainment since the advent of the sound card, 3-D video cards have taken graphics to a whole new level.

Adding the ability to offload graphics from your CPU to the video card, 3-D acceleration first offers the bonus of speeding up actual frame rates on games written for 3-D. The real noticeable effect, however, comes with all the special 3-D effects which are designed into the card and activated by the software.

Alpha-blending, bilinear-filtering, ground-shading, texture-mapping and transparency are just a few of the effects which help in smoothing graphics, and also speed up frame rates and other advanced graphics features. For the wary, who think these cards will not be supported, there is little to worry about. The list of supported games is huge and growing every day! At E3 this year, 75% or more of all games, by my count, were being designed with 3-D support, either through Direct 3D (Microsoft API in Windows95) or specifically coded for various chipsets.

At present, several different chip sets are being used widely in cards. 3-DFX was the first company to really put out a superior chipset and it probably remains the one most known and widely used. The Voodoo, a dedicated 3-D chipset, started it all and has now been followed by the Voodoo Rush, a 2-D/3-D combo. Well-known for the compatibility with *Quake* and its heirs, these are the cards of choice for playing *GLQuake*.

NVidia has recently joined the fray with the Riva 128, another 2-D/3-D combination, while the PowerVR PCX2 created by NEC is another 3-D only chipset. The latter two give some great numbers running Direct 3D games.

Either offering a complete 2-D/3-D solution or just adding 3-D capability to your already present 2-D card, all the cards discussed below do their job well and will add immensely to your gaming pleasure. After playing a game like *Quake* or *Tomb Raider*, trying it with a 3-D card is almost like playing a brand new game.

Intergraph Intense 3D Voodoo

Based on the 3DFX Voodoo Rush chipset, this all-in-one solution is a direct replacement for your present video card. With S-Video and composite outputs, this card may be hooked up directly to a TV for video output, and also includes a port for 3-D stereo glasses (sold separately). Bundled with the unit are full versions of *Turok: Dinosaur Hunter* and *Moto Racer*, as well as a cut-down version of *Longbow*. Performance on this card is very good, with 2-D support coming from the

6 Reasons Why You'll Want A Portable Instead Of A Laptop or Desktop

1 Higher & Clearer Screen Resolution Than A Laptop (Up To 1024x768)!
2 Expandability Up To 8 Expansion Slots To Customize Your System, As Good As A Desktop!
3 Much Sturdier Construction & More Reliable Than a Laptop!
4 Portable Weighs Only 20lbs Easy to Carry With You!
5 Easier & Less Expensive To Upgrade & Repair Than A Laptop!
6 Takes A Lot Less Deskspace Than a Desktop, Almost As Little Space as a Laptop!

Visit Our Web Site! www.ssengineering.com

AT Portable Computer Center We Are Able To Custom Build Any Desktop Configurations Into Our Portables To Suit Your Needs.
PLEASE CALL FOR OPTIONS LIKE INTERNAL CD-ROM, TAPE BACK-UP SYSTEM, UP TO 4 GIGABYTE IDE/SCSI & SCSI WIDE HARD DRIVES

COLOR/B&W LUNCHBOX PORTABLE
•4 Drive Bays
•8 Expansion Slots
•800x600 Res TFT Display
•10.4" Active Color LCD
•2 MB LCD SVGA Card
•Super Durable ABS Case
•Supports Simultaneous Display
•Optional Built-In Multimedia Speakers
486, PENTIUM® & Pentium® Pro
See Us on the Web! www.ssengineering.com
•486DX2-66 thru 100 MHz,
PENTIUM® 166/200 MMX PENTIUM® 100-200 MHz, PENTIUM® PRO 180-200 MHz

USE YOUR NEW PORTABLE FOR:
•PLAIN PORTABILITY
•MULTIMEDIA
•BACK-UP SERVER
•PORTABLE NT SERVER
•PORTABLE FILE SERVER
•SPECIAL APPLICATION w/CUSTOM ADD-ON CARD
•TEST EQUIPMENT
•MEDICAL EQUIPMENT
•NEW PRODUCT DEMOS
Call For Latest Prices & Custom Configurations

RACKMOUNT INDUSTRIAL PC
• 19" 5U Rackmount
• 8 Expansion Slots
• 10" SVGA SONY Trinitron Color Monitor
• 3 Drive Bays
• 250 W PS 100/200v
• Security Access Door
• Color Coded 12 Function Key Pad Available
• Slide Rail
• Vibration Clamps
CALL FOR PRICES & CUSTOM CONFIGURATIONS

SVGA SONY TRINITRON CRT PORTABLE
• 10" Color Flat Screen
• 4 MB RAM (Exp 64 MB)
• 540 MB IDE Hard Drive
• TEAC 1.44 MB Floppy
• 2 Serial/Parallel Ports
• SVGA Card w/1 MB
• 6 Expansion Slots
• Deluxe Carrying Bag
1024 X 768 10"

DESKTOP MONTHLY SPECIAL
PENTIUM PRO® 180/200 MHz ..... *CALL
PENTIUM®/PENTIUM® MMX/100/120/133/150/166/200 MHz ..... CALL
486DX-66-133, ISA, PCI, VLB ..... CALL
All Systems Above Include:
• 8 MB RAM (Exp to 64 MB)
• 1.2 GB IDE Hard Drive (12ms) & Up
• Teac 1.2 MB and 1.44 MB Floppies
• SVGA Monitor (1280x1024, 28 dpi)
• SVGA Video Card w/2 MB
• IDE 2HD/2FD Controller
• 2 Serial/Parallel/Game Port
• Enhanced 101 Keyboard
• Mini Tower or Desktop Case
★ FREE 3-Button Mouse & Gift
CALL FOR PRICE & UPGRADES

NEW 12.1" TFT ACTIVE MATRIX COLOR LCD PORTABLE w/TOUCH PAD
NEW!!
•7 Slots, 4 Drive Bays
•2 MB Video Card
•800x600 or 1024x768 Res.
•AT/Baby AT & ATX Motherboard Platform
•Built-In Touchpad Mouse
•Built-In Multimedia Speakers
•Super Durable ABS Case

ALL-IN-ONE LAN PC
WORKSTATION 486SX OR DX VGA
Fully Loaded w/ Your Choice of CPU & HDD w/ 9" Color Monitor
Perfect For Networking & Saving Space

MONITORS
SONY 10" TRINITRON COLOR DESKTOP MONITOR .26 DOT PITCH W/CARRYING HANDLE
1024 X 768 10"
*CALL

COLOR LCD TFT SPECIAL
•LCD TFT Lunch Box Portable
•Pentium® 133 to 200MHz w/256K
•16 MB EDO RAM
•Teac 1.44 MB Floppy Drive
•2GB Hard Drive
•5 Expansion Slots
•Simultaneous Display
•Deluxe Carrying Bag
FOR 133MHz $2495
FOR CPU UPGRADES 150 Through 200MHz CALL

PLEASE CALL FOR:
★ OTHER CONFIGURATIONS
★ SYSTEM UPGRADE/REPAIR
★ SOFTWARE INSTALLATION
Prices subject to change w/o notice.
Prices reflect cash discount.

DEALER PRICING & QUANTITY PRICING AVAILABLE
STORAGE SYSTEM ENGINEERING SERVICE
3350 Scott Blvd., Building 19, Suite 1902
(near Bowers Ave.) Santa Clara, CA 95054
SF Lawrence Expwy SF
Central Expwy
Bowers
Scott Blvd
San Tomas
SJ SJ
N S
408-727-6040
FAX: 408-727-6042
Hours: 10am-6:30pm M-F
www.ssengineering.com
Your Source For Reliable Computers & Peripherals Since 1983

BG COMPUTER

SPECIALIZING IN NETWORKING REPAIRS FOR ALL SIZE BUSINESSES

CORPORATE PO'S WELCOME!

HOLIDAY SUPER SALE

- Pentium® motherboard
- 100MHz CPU (Intel or AMD K5)
- Heatsink with cooling fan
- 32MB 60ns EDO RAM
- 1.0GB EIDE hard disk drive
- 1.44MB floppy disk drive
- 4X IDE CD-ROM drive
- PCI SVGA card w/1MB RAM
- 3D 16-bit sound card
- Mini tower case w/230W power supply
- 3-button serial mouse
- Win95 105-key keyboard
- P60W multimedia speakers
- 30-day warranty on parts and labor

$499

Note: System is pre-configured. No substitution allowed.

PENTIUM® MMX SYSTEM

- Intel® 430VX chipset M/B with 512K cache
- Pentium® 166MHz MMX™ w/ cooling fan
- 32MB 60ns EDO RAM
- Fujitsu 2.6GB Ultra DMA hard disk drive (10ms)
- Mitsumi 1.44MB floppy disk drive
- Acer 3D 16-Bit sound card
- 20X IDE CD-ROM drive
- S3 PCI SVGA card w/ 2MB RAM
- 33.6 fax modem w/ voice
- Mini tower case w/ 230W power supply
- 3-button serial mouse
- Win95 105-key keyboard
- P60W multimedia speakers
- Windows 95 installed
- 1-year warranty on parts and 5 years labor
- Acer 3D 16-bit sound card

$783

Pentium® 200MHz MMX™. . . . $889
Pentium® 233MHz MMX™. . . . $989

OFFICE SYSTEM SPECIAL

- Asus TX-97XE 430TX chipset M/B with 512K cache
- Pentium® 166MHz MMX™ w/ cooling fan
- 32MB 60ns EDO RAM
- Fujitsu 3.5GB Ultra DMA Hard Disk Drive (10ms)
- Mitsumi 1.44MB floppy disk drive
- 20X IDE CD-ROM Drive
- ATI 3D Xpression w/4MB SGRAM
- 16-bit Sound Blaster compatible sound card
- 33.6 fax modem w/ voice (rockwell chipset)
- ATX mid tower case w/ 235W power supply
- 3-button serial mouse
- Ergonomic natural keyboard • P60W multimedia speakers
- Windows 95 installed • Office 97 Professional Suite
- 1-year warranty on parts and 5 years on labor
- Acer 3D 16-bit sound card

$1089

Pentium® 200MHz MMX™ . . . $1172
Pentium® 233MHz MMX™ . . . $1263

NT SERVER/WORKSTATION

- Intel® AL440FX chipset Pentium® II M/B
- Pentium® II 233MHz w/cooling fan
- 32MB 10ns EDO SDRAM
- Fujitsu 3.5GB Ultra DMA Hard Disk Drive (10ms)
- Mitsumi 1.44 MB floppy disk drive
- 20X IDE CD-ROM Drive
- S3 PCI SVGA card with 1MB RAM
- 3COM 3C905TX 10/100 base-T ethernet card
- ATX mid tower case w/ 235W power supply
- Microsoft 2-button serial mouse
- 105-key keyboard
- Win95 105 keyboard
- 1-year warranty on parts and 5 years labor

Windows NT 4.0 Workstation

$1395

Windows NT Server w/5-User License

$1529

AMD K6/CYRIX 6x86

- Intel 430VX chipset M/B with 512K cache
- AMD K6 166MHz MMX w/cooling fan
- Fujitsu 2.6GB ultra DMA hard disk drive (10ms)
- Mitsumi 1.44MB floppy disk drive
- Acer 20X IDE CD-ROM drive
- S3 PCI SVGA card w/2MB RAM
- Acer 3D 16-bit sound card
- 33.6 fax modem w/voice
- Mini tower case w/230W power supply
- 3-button serial mouse
- Win95 105-key keyboard
- P60W multimedia speakers
- Windows 95 installed
- 1-year warranty on parts and and 5-year on labor

$773

AMD K6 200MHz MMX $839
AMD K6 233MHz MMX $989
Cyrix 6x86L P200+ $739

PENTIUM® II DVD PLAYSTATION

- Intel AL440LX chipset M/B (AGP ports)
- Pentium® II 233MHz MMX w/cooling fan
- 64MB 10ns SDRAM
- Fujitsu 3.5GB ultra DMA hard disk drive (10ns)
- Mitsumi 1.44MB floppy disk drive
- Toshiba DVD multimedia kit
- RealMagic MPEG2-decoder card
- ATI Xpert@play AGP VGA card w/8MB SGRAM with video out
- Sound Blaster AWE 64 sound card
- USR 55.6 fax modem w/voice
- ATX mid tower case w/ 235W power supply
- Altec Lansing ACS45 speakers with subwoofer
- 2-button P/S 2 net mouse • Mitsumi Win95 105 keyboard
- 5-button joystick • Windows 95 installed
- 1-year warranty on parts and 5-year on labor

$2199

Pentium® II 266MHz MMX . . . $2339
Pentium® II 300MHz MMX . . . $2549

PENTIUM® II AGP SYSTEM

- Intel AL440LX chipset M/B (AGP ports)
- Pentium® II 233MHz MMX w/cooling fan
- 32MB 10ns SDRAM
- Fujitsu 3.5GB Ultra DMA Hard Disk Drive (10ms)
- Mitsumi 1.44MB floppy disk drive
- Acer 20X IDE CD-ROM Drive
- ATI Xpert@work AGP VGA card w/4MB SGRAM
- Yamaha OPL-3 on board 16-Bit audio
- 33.6 fax modem w/ voice (rockwell chipset)
- ATX mid tower case w/ 235W power supply
- 2-button PS/2 net mouse
- Win95 105-key keyboard
- P240W multimedia speakers
- Windows 95 installed • Office 97 Professional Suite
- 1-year warranty on parts and 5-year on labor

$1499

Pentium® II 266MHz MMX™ . $1629
Pentium® II 300MHz MMX™ . $1869

PENTIUM® II SUPERSTATION

- Intel AL440LX chipset M/B (AGP ports)
- Pentium® II 233MHz MMX w/cooling fan
- 128MB 10ns SDRAM
- Fujitsu 5.3GB ultra DMA hard disk drive (10ns)
- Mitsumi 1.44MB floppy disk drive
- Toshiba 24X IDE CD-ROM drive
- ATI Xpert@play AGP VGA card w/8MB SGRAM with video-out
- Yamaha OPL-3 on-board 16-bit audio
- USR 55.6 fax modem w/voice
- ATX mid tower case w/235W power supply
- P240W multimedia speakers
- Microsoft 2-button mouse • Mitsumi Win95 105 keyboard
- Windows 95 installed • Office 97 professional suite
- 1-year warranty on parts and 5-year on labor

$2049

Pentium® II 266MHz MMX . . . $2154
Pentium® II 300MHz MMX . . . $2389

MOTHERBOARDS W/O CPU

ASUS

TX97-XE (ATX) $165
TX97-X (ATX) $165
P2L-97 (ATX) $195

INTEL®

Intel Portland 440FX for Pentium® II. $185
Intel Atlanta 440LX for Pentium® II. $195
Intel Lonetree 430TX Motherboard w/512K. . . . $163
Intel 430VX Chipset w/512K Cache $82
Intel Venus 440FX Chipset for Pentium® Pro . . $159
Intel Tuscon w/ Audio & Video w/256K PL . . . $169

OEM MOTHERBOARD

Intel 430TX Chipset Motherboard w/512K Cache. $97
Intel 430VX Chipset w/512K Cache. $87

CPU

Cyrix/IBM 6x86L P166+ (2.8V) $69
Cyrix/IBM 6x86L P200+ (2.8V) $76
Intel Pentium® 150 . . . . . $99
Intel Pentium® 166/200/233 MMX . . . $145/225/295
Intel Pentium® Pro 200 256K. $485
Intel® Pentium® II 233MHz OEM. $439
Intel® Pentium® II 266MHz OEM. $568
Intel® Pentium® II 300MHz OEM. $775
AMD K6 166/200 MMX $125/185
AMD K6 233. . . . . CALL

EDO MEMORY

8MB 72 Pin. $33
16/32MB 72 Pin EDO 60ns. $45/89
32MB 10ns SDRAM $89
64MB 10ns SDRAM (4X4) $195

FLOPPY DRIVES

1.44MB/1.2MB. $20/36

CD-ROM DRIVES

20X CD-ROM ACER $75
24X CD-ROM ACER $79

SVGA CARDS

Trident 9680 PCI DRAM w/ 2/1 MB DRAM . . $35/25
Diamond Stealth 2000 3D/3000 w/ 2/4 MB DRAM. $66/94/98/128
Matrox Millennium II w/2/4 MB WRAM. . . $159/189
Matrox Mystique 220 w/2/4 MB SGRAM (OEM). $95/125
ATi Xpert@Work AGP 4MB/8MB. $175/229

FAX MODEM

US Robotics 33.6 K Fax Modem w/ Voice $99
33.6K Fax Modem w/Voice $49
55.6K USRobotics Fax Modem Retail $135

SOUND CARDS

ACER 3D. $19
Sound Blaster 16 w/PnP FX 16-Bit. $49
Sound Blaster AWE 64. . . . . $89

SPEAKERS

60/200/300 Watt $14/35/39

CASES

Mini Tower w/ Display $26
Mid/Full Tower w/ Display $38/54
Desktop Case $31
Mid Tower ATX w/230W Power Supply. $79

KEYBOARDS/MICE

104–Key Board $11
104–Key Keytronic $21
3 Button Mouse. $5
Natural Keyboard MS Compatible $29
Genius 2–Button NetMouse. $12

MONITORS

14" .28 NI SVGA $159
15" .28 NI SVGA 219
17" .28 NI SVGA 399
Sony 100SX 15" 1280x1024 .25 w/Digital Controls 338
Sony 200SX 17" .25 1280x1024 568
Sony 200SF 17Ó .25 1280x1024. 645
ViewSonic 17PS 17" .25 1600x1280 638

MONTHLY SPECIALS

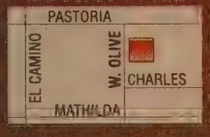
FUJITSU HARD DRIVE SPECIAL

3-year warranty on all drives

Ultra DMA IDE Hard Drives:

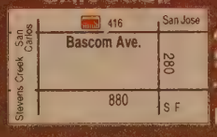
MPA3017 1.7GB $136
MPA3021 2.1GB $155
MPA3026 2.6GB $165
MPA3035 3.5GB $184
MPA3045 4.3GB $239
MPA3053 5.3GB $289
MPA3064 6.4GB $309

SUNNYVALE



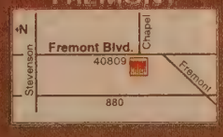
505 W. Olive Ave.
Bldg. 100, Suite 123
Sunnyvale, CA 94086
Tel: (408) 733-8882
Fax: (408) 733-6752

SAN JOSE



416 S. Bascom Ave.
San Jose, CA 95128
Tel: (408) 977-0590
Fax: (408) 977-0592

FREMONT



40819 Fremont Blvd
Irvington Palms Plaza
Fremont, CA 94538
Tel: (510) 623-8297
Fax: (510) 623-8299

OPEN: M-F 9-6 SAT/SUN 10-6 • Financing Available on Approved Credit • $0 Down - Call for Details

VISA MasterCard

DVD And 3-D *continued...*

128-bit Alliance chipset and the 3-D using the 3DFX Rush solution.

Installation takes just moments, and just requires removing your video and plugging the Intense 3-D in a PCI slot. Load the provided software, and you're up and running. ($229.95)

Jazz Adrenaline Rush 3D

Another all-in-one 3DFX card, this design does not include any video output features, but this is offset by a reduced price and a very good software bundle.

Built upon the same graphics chips sets as the Intergraph card (3DFX Voodoo Rush and Alliance), its performance is almost exactly the same as the Intense 3D. The Adrenaline Rush supports MPEG-1 and MPEG-2 video playback. Its software bundle is outstanding and includes full versions of *Mechwarrior: Mercenaries, Interstate 76,* and *Turok: Dinosaur Hunter.* ($215.95)

Canopus Pure 3D

Unlike the other cards discussed so far, the Pure 3D is strictly a 3-D card, so you must already have an existing video card in your system. Using the 3DFX Voodoo chip set, this card also adds video out compatibility with the S-Video and composite jacks.

Unlike some of the older 3DFX add-on cards, the Pure 3D also has another 2MB (4MB) of texture memory, which gives a little more of a speed boost and could give better graphics for programs written for it. Because this is an add-on card, you will need an additional PCI slot for installation, and then must connect a pass-through cable (supplied) between your 2-D video card and the Canopus card.

The only drawback to this card is lack of a software bundle; it includes nothing but the actual drivers. This card is perfect for someone who already owns a well-performing 2-D video card and wishes to add a great 3DFX card. ($179)

Diamond Viper V330

Based on the nVidia Riva 128 chip, this 2-D/3-D combo card really screams running Direct 3D titles, giving the 3DFX boards a run for their money. 2-D performance is excellent as well, and the onboard 230MHz Ramdac gives high refresh rates at 65K colors, up to 1600 x 1200 resolution.

A nice software bundle includes full versions of *iF-22* and *Moto Racer*, the first several levels for MDK, and several Web and graphics programs. Video-out capability is also supported through S-Video and composite jacks.

By simply replacing your video card, installing the Viper in a PCI slot and loading the software, you will have a fully functional 2-D/3-D system in a matter of moments. ($195.95)

STB Velocity 128

Another 2-D/3-D combo with the nVidia Riva 128, this card is very similar in features and performs very comparably with the Viper.

continued on page 95

Mini Tower Case $21 Jumperless LED Setup

Motherboard
TX Pro Chipset w/512K/up to 233MHz . .$70
VIA Chipset w/512K/up to 233MHz $61
VX Chipset w/512K/up to 233MHz $75
Pentium® Pro up to 233MHz $90
VX Chipset/Jumperless/512K $80
TX Chipset/512K/up to 233MHz $80

16-Bit Sound Card $12

Cyrix 200 $689
Pentium® 166 $741
1–Year Parts & Labor Warranty
512K Cache
16MB EDO RAM
1.2GB Hard Drive
1.44MB Floppy Drive
1MB Video Card
33.6K Fax/Modem
12X CD-ROM, 16-Bit Sound Card
Keyboard, Mouse, Speaker
14" SVGA Monitor

Pentium® 233MHz $1049
Pentium® 166 MHz $979
1–Year Parts & Labor Warranty
512K Cache
32MB EDO RAM
2.6GB Hard Drive
2MB Video Card
1.44MB Floppy Drive
33.6K Fax/Modem
24X CD-ROM, 16-Bit Sound Card
Keyboard, Mouse, Speaker
14" SVGA Monitor

33.6K Fax/Modem $36

Cyrix 166 $434
1–Year Parts & Labor Warranty
256K Cache
8MB RAM
1.08GB Hard Drive
1.44MB Floppy Drive
1MB Video Card
4X CD-ROM, 16-Bit Sound Card
Keyboard, Mouse, Speaker
14.4K Fax/Modem

4MB S3 Virge Video Card $45

CPU
486 Dx2/66 . . . .$20
486 Dx4/100 . . .$35
Pentium® . . . .$Call
K5/K6 . . . . . .$Call
Cyrix 6x86 . . . .$Call

Hard.Drive
1.2GB $100
2.5GB $150
3.5GB $185
4.3GB $215
14.4MB FDD . . .$18

Add-On Card
1MB Video PCI . .$17
1MB Video VLB .$18
1MB Video ISA . .$18
16-Bit Sound Card .$12
33.6K Fax/Modem$36

ISA Net Card . . .$14
PCI Net Card . . .$18
CD-ROM
12X $55
16X $59
24X $70

Prices and Availability Subject to Change.

FOR-U-COMPUTER INC.
765 Mabury Rd.
San Jose, CA 95133
Tel. (408) 437-8718
Fax. (408) 437-8719
Open M-F 10-6:30
Sat 10-5

NORDIC COMPUTERS

FRIENDLY, KNOWLEDGEABLE STAFF
COMPETITIVE PRICES
CORPORATE, GOVERNMENT, EDUCATIONAL P.O.S WELCOME
SERVING YOU SINCE 1985

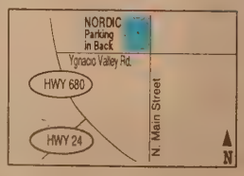
Rated Among the Best Computer Dealers in the Bay Area by the S.F. Business Times

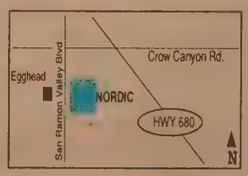
MasterCard VISA

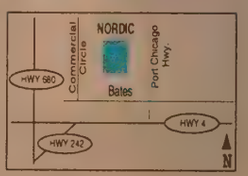
WALNUT CREEK
1987 North Main
Walnut Creek, CA 94596
(510) 274-1725
M-F 10-6, Sat 10-4

SAN RAMON
2438 San Ramon Valley Blvd.
San Ramon, CA 94583
(510) 743-9390
M-F 10-6, Sat 10-4

CONCORD
5060 Commercial Cir., Unit A
Concord, CA 94520
(510) 687-3050
M-F 9-6, Sat 10-4







Your One-call Source for Industrial Computers

Multi-purpose SuperSlim Panel PC

NEW

Advantech's ultra thin, ready to run user interface Panel PC is the state-of-the-art alternative to a traditional commercial PC. This compact PC mounts with ease, making it an ideal solution for a variety of applications.

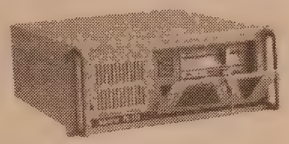
Applications

- POS/POI Kiosk
- Machine Control
- Factory Automation
- Medical Equipment
- Hospitality
- Interactive ATM
- and much much more

Features

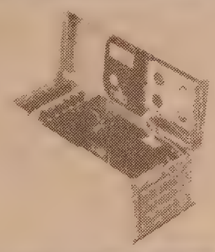
- 10.4" TFT LCD Display (640 x480)
- 3x RS-232 and 1 x RS-232/422/485 communication capabilities
- 4 isolated input and output channels
- 10 Base-T Ethernet Interface
- Spill-resistant front panels (NEMA 4/12)

IPC-610 Rackmount Industrial PC



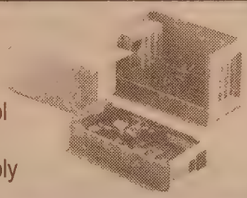
- 14-slot ISA/PCI backplane
- Baby AT version available
- Supports two 5.25" and two 3.5" disk drives
- 250W Power Supply

IPC-6806 Compact Wall Mount PC



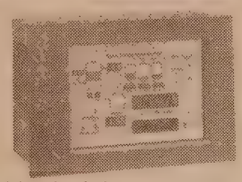
- 6-slot ISA/PCI backplane
- Supports two drives
- Cooling fan with air filter
- 150W Power Supply

MBPC-641 MicroBox PC



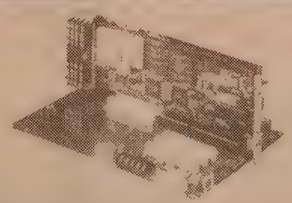
- 4-slot ISA-bus backplane
- Ultra compact for embedded control
- Cooling fan
- 65W Power Supply

MiPC-51 Workstation w/TFT LCD Display



- 4-slot ISA bus backplane
- Supports two 3.5" drives
- 640x480 TFT Color LCD
- 65W Power Supply

CPU cards



- Pentium CPU cards with SCSI/VGA/LCD
- 486 CPU cards with VGA/LCD/LAN
- 386 with VGA/LCD

30-day Money Back Guarantee

Free Technical Support

Quantity Discount Available

OEM Orders Welcome

Free Catalog

Call the Top 5 Industrial Manufacturer (PE&I Reader Survey)at:

1-800-800-6889

Industrial Automation with PCs

ADVANTECH®

750 East Arques Avenue, Sunnyvale, CA 94086

Tel: 408-245-6678 Fax: 408-245-8268

E-mail:ICinfo@advantech-usa.com Homepage:http://www.advantech-usa.com

ISO-9001 Certified

JOIN OUR WINNING TEAM

ABIT Jumperless TX

- ABIT Office Pro PX-5 430TX PCI 512K Motherbrd, w/ 4 PCI BusMaster E-IDEs, HISpd I/O
- Genuine AMD K5® or K6® Processor w/ Cooling Fan
- 16MB 168Pin 10ns SDRAM DIMM
- 1.44MB Floppy Drive
- 2.1GB Quantum FireBall ST32160A UltraDMA IDE HD
- Trident 9680 PCI 1MB MPEG+AVI Video Card
- 14" ShamRock 1Kx768NI Pwr-Saving Monitor
- GigaStar Series Mini Tower 230W PS
- Mitsumi 104 Key Enhanced Win95 Keyboard
- Logitech 2-Button Serial Mouse w/ Pad
- Legitimate MS Windows 95 + Manual
  + installed + fully-configured

AMD® K5		AMD K6™	
P133	$727	P166	$760
P166	$735	P200	$811
		P233	$1006

ASUS TX97 AMD K5/K6

- ASUS TX97 430TX, 512K Cache, Pentium/MMX/K5/K6/Cyrix CPU supported, 168Pin DIMM, onbrd Ultra-IDE, FD, HISpd I/O, AT Size
- AMD® K5/K6 Processor w/ Smart Cooling Fan
- 16MB 168Pin 10ns SDRAM DIMM
- 1.44MB Floppy Drive
- 2.1GB Quantum FireBall ST32160A UltraDMA IDE HD
- Mitsumi FX162T 16X Speed Internal ATAPI IDE CD-ROM
- Trident 9680 PCI 2MB MPEG+AVI Video Card
- 15" ShamRock 1280x1024NI Pwr-Saving Monitor
- GigaStar Series Mini Tower 230W PS
- Mitsumi 104 Key Enhanced Win95 Keyboard
- Logitech 2-Button Serial Mouse w/ Pad
- Legitimate MS Windows 95 + Manual+ installed + fully-configured

AMD® K5	
P133	$904
P166	$910

AMD K6™	
P166	$935
P200	$996
P233	$1162

Call for Pentium 166/200/233MHz/MMX upgrade

DIAMOND MULTIMEDIA

April 9th

Dear Derek,

Thank you for lending us the Pentium 133mhz systems for the CGDC (Computer G Developer Conference) and WINHec (Windows hardware engineering conference) shows. The systems were great and were very reliable. I also appreciate the two Pentium P166mhz systems that you were able to put together within a few hours.

Once again, I like to thank you, and your staff for your invaluable contribution. W

Ken Wu
UMiracle Microsystems
44063 Fremont Blvd.
Fremont, CA 94538

UMiracle is the system provider we choose when we are looking for desktop personal co our company. As a software developer, we are continually seeking the latest technology enhance our computing environment. We have purchased most of our new desktop PC UMiracle over the past few years, and these systems have been very reliable and give us g for our spending dollar. We have also utilized UMiracle's technical engineering staff in upgrading of our systems, which is very good in suggesting a variety of choices in the up process. We choose UMiracle for its helpful and responsive sales team, knowledgeable t staff, and overall competitive pricing.

UMiracle is a computer hardware vendor that stands out, and fulfills our computing ne responsive manner. When it comes to technical difficulties, UMiracle stands behind th and provides efficient and prompt support.

at very

Intel Anchorage w/Audio

- Intel Anchorage AN430TX 512K Cache onbrd,MMX CPU support, 4 PCI+3 ISA slots,DIMM,upto 256MB, built-in PCI-IDE ports, FD, HiSpd I/O,Yamaha OPL4 wavable audio stereo sound
- Genuine Intel Pentium® Processor w/ Cooling Fan
- 16MB 168Pin 10ns SDRAM DIMM
- 1.44MB Floppy Drive
- 3.2GB Quantum FireBall ST33260A UltraDMA IDE HD
- Mitsumi FX162T 16X Speed Internal ATAPI IDE CD-ROM
- ATI Xpert@Work PCI RAGE PRO 4MB SGRAM Video Card
- 15" Hitachi CM-500 .28DP 1280x1024NI Monitor
- GigaStar ATX style Medium Tower 235W ATX PS
- Mitsumi 104 Key Enhanced Win95 Keyboard
- Logitech MouseMan PS/2 Mouse w/ Pad
- Pair of 60Watt Stereo Speakers
- Legitimate MS Windows 95 Full CD + Manual
  + installed + fully-configured

Intel Pentium®	
166MHz	$1247
200MHz	$1327
MMX166	$1243
MMX200	$1331
MMX233	$1413

ASUS P2L97 Pentium II AGP

- ASUS P2L97 Intel Pentium II motherboard - 233-333Mhz support, 440LX AGPset with Accelerated Graphics Port Connector for optimal Video Graphics, 5 PCI/2 ISA/1 AGP slots,DIMM, Onbrd I/O, UltraDMA IDE, ATX
- Genuine Intel Pentium® II Processor w/Cooling Fan
- 32MB 168Pin 10ns SDRAM DIMM
- 1.44MB Floppy Drive
- 3.2GB Quantum FireBall ST33260A UltraDMA IDE HD
- Mitsumi FX162T 16X Speed Internal ATAPI IDE CD-ROM
- Yamaha 3D Stereo Sound Card w/ Wavetable Full Duplex
- ATI Xpert@Work AGP RAGE PRO 4MB SGRAM Video Card
- 15" Hitachi CM-500 .28DP 1280x1024NI Monitor
- GigaStar ATX style Medium Tower 235W ATX PS
- KeyTronic 104 Key Win95 PS2 Keyboard
- Logitech 3-Button MouseMan PS/2 Mouse w/ Pad
- Pair of 60Watt Stereo Speakers
- Legitimate MS Windows 95 Full CD + Manual
  + installed + fully-configured

Intel Pentium® II	
233MHz	$1619
266MHz	$1757
300MHz	$1835

Bundled with AGP Video card!

UNIVERSITY OF CALIFORNIA AT BERKELEY

BERKELEY • DAVIS • IRVINE • LOS ANGELES • RIVERSIDE • SAN DIEGO • SAN FRANCISCO — SANTA BARBARA • SANTA CRUZ

INTERNATIONAL AND AREA STUDIES
OFFICE OF THE DEAN

BERKELEY, CALIFORNIA 94720
FAX: (510) 642-9466

Tuesday, July 2, 1996

Over the last two years, the International and Area Studies division of the University of California at Berkeley has been using UMiracle Microsystems computers for their workstations and servers. UMiracle has been our best choice for highly competitive pricing, proven customer response time, and system reliability.

When servicing our own customers, having a computer vendor whose sales and technical teams are quick to respond is very important. UMiracle (and Ken Wu, in particular) has consistently surprised me with their timely and accurate responses. This has often beaten out other vendors who either take their time in responding to calls or never return them in the first place. When it comes to technical difficulties, UMiracle stands behind their products and provides the best support possible promptly.

In addition, UMiracle computers have been highly reliable for their competitive pricing. Often companies worry if they will obtain quality products when they purchase computers at good prices.

AMERICAN MEDICAL MANAGEMENT
2200 Powell St., Suite 455
Emeryville, CA 94530
(510) 450-1500
Fax: (510) 446-7477

OUR SERVICE, OUR COMMITMENT

All of our systems are burned-in, tested and configured. Windows 95 and all standard software loaded for shipping purpose. Each tested on video mode tested and continuously burned in for 48 hours on all components and thoroughly inspected for trouble-free operation. All systems are to be inspected by customer at pick up time.
Most common standard configurations have been pre-built, burn-in tested and are ready to be picked up or delivered within 60 minutes IN FREMONT MAIN OFFICE - Please allow more time for minor configuration changes. Standard delivery time is 72 hours.
Free delivery area includes local area within 30 minutes driving distance. No delivery on weekends. Delivery out of local area will be charged up to $30 freight.
Most components come with over 1 year manufacturer warranty - First year will be covered by UMiracle. Warranty after the first year will be covered by component manufacturers.
While-you-wait immediate service should there be any necessary warranty repair. If we couldn't solve the problem, another system will be built (at our discretion, if purchased within 30 days.)
All pickups, repairs, exchanges, upgrades can be done in either Fremont, Belmont or Albany store. Original invoices & records

intel

Spade Chan
UMiracle Microsystems
44063 Fremont Blvd.
Fremont, CA 94538

UMiracle is the computer product provider we choose when we are looking for computer hardware or software for our company. As a validation engineer, we are continually seeking the latest technology as we enhance our testing environment. We have purchased most of our new hardware & software from UMiracle over the past few months, and these products have been very reliable. We have also utilized UMiracle's technical engineering staff in the product choosing process which is very good in suggesting a variety of choices and cost effectiveness. We choose UMiracle for its helpful and responsive sales team, knowledgeable technical staff, and overall competitive pricing

UMiracle is a computer product vendor that stands out, and fulfills our computing needs in a responsive manner. When it comes to technical difficulties, UMiracle stands behind their products and provides efficient and prompt support.

Albany, CA 94706

To whom it may concern:

We have been delighted to have UMiracle as our sole provider of comput hardware for our 7 server, 100 + user wide area network over the past ye timely, reliable and extremely courteous. In addition to superlative service salespeople and knowledgeable and (most importantly) accessible support have been extremely competitive.

During the past year our organization has grown from approximately 20 P approximately 75 PCS with several laptops and 5 file servers distributed ov supplied virtually all of our hardware. In the health care management indu of data is of the utmost importance and the hardware supplied by UMirac reliability. In a few rare instances when there has been a problem with eit configuration, hardware was politely and promptly replaced and helpful tec available.

UMiracle succeeds in all three of the most import aspects of a computer h excellent support and competitive pricing, and we will continue to rely up

Optional:
MS DOS V6.22 + Windows V3.11 Add$10
MS DOS V6.22 + Windows for WorkGroup V3.11 Add$30
Windows NT 4.0 Workstation/Server Add$55/$460

ASUS P2L97-DS Dual PII AGP

- ASUS P2L97-DS Intel Pentium II motherboard - 233-333Mhz Dual Pentium II support, 440LX AGPset with Accelerated Graphics Port Connector for optimal Video Graphics, onbrd Adaptec 7880 U-Wide SCSI ,5 PCI/2 ISA/1 AGP slots,DIMM, Onbrd I/O, UltraDMA PCI IDE, ATX format
- Genuine Intel Pentium® II Processor(s) w/Cooling Fan(s)
- 32MB 168Pin 10ns SDRAM DIMM
- 1.44MB Floppy Drive
- 3.2GB Quantum FireBall ST33260S Ultra-SCSI-2 HD
- Mitsumi FX162T 16X Speed Internal ATAPI IDE CD-ROM
- Yamaha 3D Stereo Sound Card w/ Wavetable Full Duplex
- ATI Xpert@Work AGP RAGE PRO 4MB SGRAM Video Card
- 17" Hitachi CM-620 .28DP 1280x1024NI Monitor
- GigaStar ATX style Medium Tower 235W ATX PS
- KeyTronic 104 Key Win95 PS/2 Keyboard
- Logitech 3-Button MouseMan PS/2 Mouse w/ Pad
- Pair of 80Watt Stereo Speakers
- Legitimate MS Windows 95 Full CD + Manual
  + installed + fully-configured

Single Pentium II	
233MHz	$2308
266MHz	$2433
300MHz	$2661

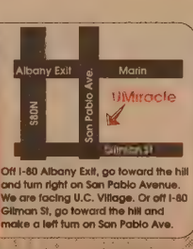
Dual Pentium II	
233MHz	$2743
266MHz	$2994
300MHz	$3449

Bundled with AGP Video card!

iMiracle
UMiracle Microsystems
44063 Fremont Blvd, Fremont CA 94538
Phone:510-226-3866 Fax:510-226-6758
1035 San Pablo Ave #1, Albany CA 94706
Phone:510-526-2626 Fax:510-526-0273
501 El Camino Pl, Belmont CA 94002
Phone 650-592-3333 Fax 650-592-2919
URL WWW.UMIRACLE.COM
Email sales@umiracle.com

DISCOVER ATM VISA MasterCard

Albany Store
Ph:510-526-2626
1035 San Pablo Ave. #1
Albany CA 94706
Ph:510-526-2626
Fax:510-526-0273
CLOSED ON SUNDAYS

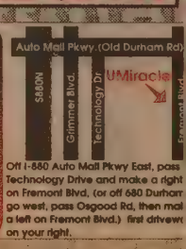


Off I-80 Albany Exit, go toward the hill and turn right on San Pablo Avenue. We are facing U.C. Village. Or off I-80 Gilman St, go toward the hill and make a left turn on San Pablo Ave.

Belmont Store
Ph:415-592-3333
1501 El Camino Real #1
Belmont CA 94002
Ph:415-592-3333
Fax:415-592-2919
CLOSED ON SUNDAYS

From north or south, Off I-101 Ralston Ave, go towards west, left on El Camino Real and make a U-turn ASAP. We are on your right.

Fremont Main
Ph:510-226-3666
44063 Fremont Blvd
Fremont CA 94538
Ph:510-226-3666
Fax:510-226-6758
YOU'LL



Off I-880 Auto Mall Pkwy East, pass Technology Drive and make a right on Fremont Blvd, (or off 680 Durham go west, pass Osgood Rd, then mal a left on Fremont Blvd.) first drivewa on your right.

AND BE A WINNER!

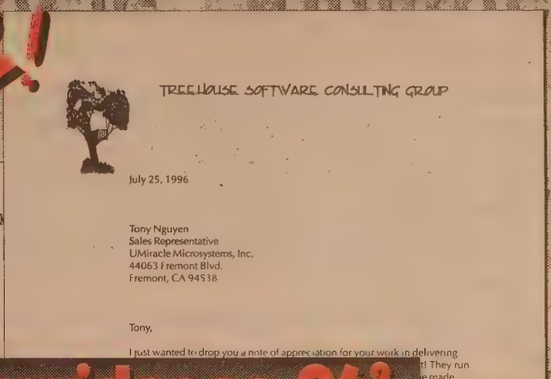
Intel AL440LX Pentium II

Intel AL440LX Pentium II Motherboard - 233Mhz & above CPU support, 440LX AGPset with Accelerated Graphics Port Connector for optimal Video Graphics, Yamaha OPL4 hardware wavetable audio,3 PCI 2 ISA/1 AGP slots, DIMM, Onbrd I/O, UltraDMA PCI IDE
Genuine Intel Pentium® II Processor w/ Cooling Fan
32MB 168Pin 10ns SDRAM DIMM w/EPROM chip
1.44MB Floppy Drive
3.2GB Quantum FireBall ST33240A UltraDMA IDE HD
Mitsumi FX162T 16X Speed Internal ATAPI IDE CD-ROM
ATi Xpert@Work AGP RAGE PRO 4MB SGRAM Video Card
17" Hitachi CM-620 .28DP 1280x1024NI Monitor
GigaStar ATX style Medium Tower 235W ATX PS
Liton SK6000 Ergonomic Win95 PS/2 Keyboard
Logitech 3-Button MouseMan PS/2 Mouse w/ Pad
Pair of 80Watt Stereo Speakers
Legitimate MS Windows NT V4.0 Workstation CD + Manual + installed + fully-configured

Intel Pentium® II
233MHz $2071
266MHz $2197
300MHz $2424

Bundled with AGP Video card!

PII is here!


TREEHOUSE SOFTWARE CONSULTING GROUP

July 25, 1996

Tony Nguyen
Sales Representative
UMiracle Microsystems, Inc.
44063 Fremont Blvd.
Fremont, CA 94538

Tony,

I just wanted to drop you a note of appreciation for your work in delivering ... They run ... made

STRUCTURED CAPITAL MANAGE
A Division of First Southwest Company

Intel Providence P6²

- Intel Providence PR440FX Dual Pentium® Pro processor-based board - Intel 440FX PCISet, support Dual Pentium® Pro 200Mhz CPUs, EDO ECC 168Pin DIMM upto 512MB, Integrated LAN Controller Intel 82557 (=EtherExpress® Pro/100B), Integrated Ultra/Wide SCSI Adaptec® 7880 w/ onbrd+External mini-68Pin 16bit Wide Connectors, Integrated Audio - Crystal+Yamaha OPL3 FM Synthesizer 16bit Stereo Sound, 4 PCI+1 ISA slots, onbrd PCI Bus Master IDE interfaces,HiSpd I/O, FD, Dual ZIF Socket 8, Flash AMI PnP BIOS, ATX form Factor
- Genuine Intel Pentium® Pro Processor(s) w/Cooling Fan(s)
- 64MB = 1 x 64MB 168Pin 8Mx72 EDO ECC Buffered DIMM
- 1.44MB Floppy Drive
- 3.2GB Quantum FireBall ST33260S Ultra-SCSI-2 HD
- Mitsumi FX162T 16X Speed Internal ATAPI IDE CD-ROM
- ATi Xpert@Work PCI RAGE PRO 4MB SGRAM Video Card
- 21" Hitachi CM-800U .22DP 1600x1200NI 75Hz
- GigaStar ATX style Full Tower 235W ATX PS
- Liton SK6000 Ergonomic Win95 PS/2 Keyboard
- Logitech 3-Button MouseMan PS2 w/ Pad
- Pair of 120Watt Stereo Speakers
- Legitimate MS Windows NT V4.0 Workstation CD + Manual + installed + fully-configured

	Single	Dual
180MHz	$3029	$3242
200MHz	$3340	$3362
200MHz	$3859	$4045
200MHz	$Call	$Call

Intel DK440LX PII Dual

- Intel DK440LX Dual Pentium II Motherboard 82440LX AGPset - 233Mhz & above Dual CPU support, 440LX AGPset w/ Accelerated Graphics Port Connector for optimal Video Graphics,4 DIMM slots,Onbrd I/O,UltraDMA PCI IDE,onbrd Intel Pro10/100BT Ethernet/ Adaptec 7895 Dual Channel SCSI w/ RAIDport slot
- Intel Pentium® II 512K Processor(s) w/ Cooling Fan(s)
- 64MB 168Pin 10ns SDRAM DIMM w/EPROM chip
- 1.44MB Floppy Drive
- 3.2GB Quantum FireBall ST33260S Ultra-SCSI-2 HD
- Mitsumi FX162T 16X Speed Internal ATAPI IDE CD-ROM
- ATi Xpert@Work AGP RAGE PRO 8MB SGRAM Video Card
- 19" Hitachi CM-751MU .22DP 1600x1200NI Monitor
- Premium ATX style Full Tower 235W ATX PS
- Liton SK6000 Ergonomic Win95 Keyboard
- Logitech 3-Button MouseMan Serial Mouse w/ Pad
- Pair of 120Watt Stereo Speakers
- Legitimate MS Windows NT V4.0 Workstation CD + Manual + installed + fully-configured

Single Pentium II
233MHz $3012
266MHz $3137
300MHz $3365
Dual Pentium II
233MHz $3447
266MHz $3698
300MHz $4154

Bundled with AGP Video card!

MULTIMEDIA NOTEBOOKS

NoteBook Options:		
	MS DOS V6.22 + Windows V3.11	Add$100
	MS DOS V6.22 + WFWG V3.11	Add$120
	Windows 95 CD Full OEM Version	Add$90
	Windows NT 4.0 Workstation/Server OEM	Add$145

CHEM 9750 NoteBook Options

EDODIMM 16MB=8X2pc	$100
EDODIMM 32MB=16X2pc	$185
Auto Adaptor 12V	$70
AC Adaptor	$60
NiMH 2nd Battery	$80
Li-Ion 2nd Battery	$195
Battery Charger	$95
Port Duplicator	$125

Harddrive/Accessories

1.4GB 2.5" IDE Slim HD	$195
2.1GB 2.5" IDE Slim HD	$265
3.0GB 19mm IDE Slim HD	$495
PCMCIA DTK 33.6k modem	$129
PCMCIA Ethernet Comb	$85

CHEMBOOK 9750 ■ P5 CPU upto 200MHz ■ Active Screen 12.1" w/256k/13.3" w/512k ■ 16MB EDO onbrd ■ 256K PB L2 Cache ■ 1.44FD ■ 16Speed CDROM ■ 2MB EDO Video RAM ■ Li-ion Battery ■ 16Bit Stereo Sound ■ Video Capture Port ■ I/O Ports ■ Infrared port ...

(1.4/2.1/3.0GB HD)	Active Matrix 12.1	Active Matrix 13.3
■ P5-133Mhz	$2060/$2124/$2328	$2585/$2649/$2853
■ P5-166Mhz MMX	$2095/$2159/$2362	$2620/$2684/$2887
■ P5-200Mhz MMX	$2180/$2244/$2447	$2705/$2769/$2972
■ P5-233Mhz MMX	$2280/$2344/$2547	$2805/$2869/$3072

CHEM 6800 SPECIFICATIONS

- Intel Pentium 100/120/133/166/200MHz
- Pipelined Synchronous 256K Level-2 Cache
- 12.1"/13.3"/14.1" Active Matrix Screen
- 2/4MB EDO Video RAM on PCI v2.1 Bus
- EDO Memory upto 72MB/128MB
- 800x600x16M True Colors
- 64Bit PCI bus with graphics accelerators
- SystemSoft flash BIOS with Plug & Play
- Built-in 16X CD-ROM
- 16Bit Stereo sound System
- 3 x Type II or 1 x Type II+1 x Type III (Support Zoom Video Port)
- Modem Ring in wake up on Power Mgmt
- Built-in 1MB Mask ROM hardware wavetable
- Removeable Floppy & hard drive
- Infra-red IrDA and FIR
- RCA jack for TV-Out
- Windows 95 Keyboard

Upgradable to 6800XL 13.3" Active Color
Upto 72MB/128MB EDO memory
12.1"/13.3"/14.1" Active Color
Built-in 16X CD-ROM
RCA Jack for TV Output
Lithium-Ion Battery Included

CHEM BOOK 6800

CHEMBOOK 6800 ■ P5 CPU ■ 12.1"/13.3"/14.1" Active ■ 16MB EDO (448MAX) ■ 256K Cache ■ 1.44FD ■ 16X CDROM ■ 2MB EDO Video ■ TouchPad ■ 16bit Stereo Sound ■ RCA Jack ■ I/O Ports ■ Li-ion ■ InfraRed port

Active Matrix 12.1	(1.4/2.1/3.0GB)
■Pentium-166MMX	$2095/$2160/$2362
■Pentium-200MMX	$2180/$2244/$2447
■Pentium-233MMX	$2260/$2324/$2527
Upgrade to 6800XL 13.3" Active	*$575*
Upgrade to 6800XL 14.1" Active	*$725*

CHEM 6800 NoteBook Options

16MB=16x1 144Pin EDO	$95
32MB=32x1 144Pin EDO	$195
Auto Adaptor 12V	$75
AC Adaptor	$65
Li-Ion Internal Battery	$175
Battery Charger	$95

Large 13.3" Active Color
Video Capture Port built-in
Lithium-Ion Battery Included
Up to 64MB Main Memory

CHEM 9750 SPECIFICATIONS

- Intel Pentium 133/150/166/200MHz/MMX
- 13.3" TFT XGA/12.1" TFT SVGA
- 16MB Memory onbrd, expand upto 80MB
- 800x600x16M True Colors, 2MB Video RAM
- 64bit PCI bus graphics accelerator
- SystemSoft Flash BIOS with PnP
- 16Xi CD ROM, exchange w/FDD or Battery
- 16Bit Stereo Sound System
- Pipelined Synchronous 256K/512K Cache
- Infra-red IrDA and FIR
- Video Capture port
- Windows 95 Keyboard

CHEM BOOK 9750

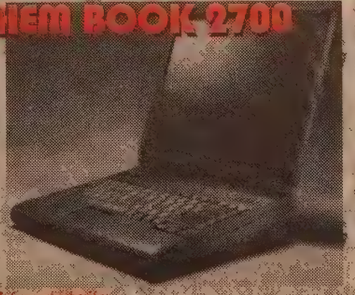
CHEMBOOK 2700 ■ P5 MMX ■ TX-Chipset ■ Active 14.2" ■ 32MB EDO 144DIMM ■ 512K P.B. Cache ■ 1.44FD ■ 20X CDROM ■ 2MB EDO Video ■ TouchPad ■ Full Duplex Stereo Sound ■ RCA Jack ■ I/O ports ■ Li-ion Batt

Active Matrix 14.2"	(1.4/2.1/3.0GB)
■Pentium-166MMX	$3004/$3069/$3272
■Pentium-200MMX	$3090/$3154/$3357
■Pentium-233MMX	$3170/$3234/$3437

CHEM 2700 NoteBook Options

16MB=16x1 144Pin EDO	$85
32MB=32x1 144Pin EDO	$175
Auto Adaptor 12V	$75
AC Adaptor	$80
Li-ion Internal Battery	$205
Battery Charger	$95

CHEM BOOK 2700



All trademarks are the property of their respective holders. All prices and specifications are subject to change without notice or obligation. Not responsible for typographical errors. We accept VISA, Mastercard, Discover, ATM, AMEX, personal/company check and P.O. with credit approval. No surcharge on credit card purchase.

UMiracle Microsystems

See WWW.CHEMUSA.COM for details

What is RAID?

RAID is an acronym for Redundant Array of Inexpensive (or Independent) Disks. A RAID array is a collection of drives which collectively act as a single storage system, which can tolerate the failure of a drive without losing data, and which can operate independently of each other. Among all RAID implementations, AAA-130 series, the latest Adaptec RAID 5 solution, is the most cost-effective way to protect your data. If the data in your file server is vital to your survival of your business, RAID-5 is the way to go!

Thunder 2 Dual PII

- TYAN Thunder-2 ATX S1696DLUA Dual Pentium II 233-300 MHz System Board - 1 AGP+5 PCI+2 ISA Slots, 4 168Pin DIMM for Max 1GB, Onbrd Adaptec dual channel U-Wide SCSI with RAIDport option, Yamaha PCI Wavetavle sound, Super IO/FD/IDEs/USBs/PS2, Flash AMI BIOS
- Intel Pentium® II CPU(s) w/ Cooling Fan(s)
- 64MB 168Pin 10ns SDRAM DIMM w/ EPROM
- 1.44MB Floppy Drive
- Three 3.2GB Quantum FireBall ST33260S Ultra-SCSI-2 HDs
- Mitsumi FX162T 16X Speed Internal ATAPI IDE CD-ROM
- Trident 9680 PCI 1MB MPEG+AVI Video Card
- 14" ShamRock 1Kx768NI Pwr-Saving Monitor
- GigaStar ATX style Medium Tower 235W ATX PS
- KeyTronic 104 Key Win95 PS/2 Keyboard
- MicroSoft Ergonomic Serial Mouse w/ Pad
- Legitimate MS Windows NT V4.0 5-user Server CD + Manual + installed + fully configured

PII is here!

Call for AGP Video card UPGRADE!

Single Pentium II
233Mhz $3254
266Mhz $3380
300Mhz $3612

Dual Pentium II
233Mhz $3696
266Mhz $3951
300Mhz $4115

TIGER PII RAID⁵ Server

- Tyan Tiger Single ATX (S1692S) - Pentium II board, 233Mhz & above CPU support, 440LX AGPset with Accelerated Graphics Port Connector for optimal Video Graphics, 3 PCI/2 ISA/1 AGP slots, DIMM, Onbrd I/O, UltraDMAIDE, ATX
- Adaptec AAA-131 RAID 5 Ultra-Wide Adapter with 1MB Cache onbord
- Genuine Intel Pentium® II Processor(s) w/ Cooling Fan(s)
- 32MB 168Pin 10ns SDRAM DIMM w/ EPROM
- 1.44MB Floppy Drive
- Mitsumi FX162T 16X Speed Internal ATAPI IDE CD-ROM
- Four 3.2GB Quantum FireBall ST33240S Ultra-SCSI-2 HDs
- Trident 9680 PCI 1MB MPEG+AVI Video Card
- 14" ShamRock 1Kx768NI Pwr-Saving Monitor
- GigaStar ATX style Full Tower 235W ATX PS
- KeyTronic 104 Key Win95 PS/2 Keyboard
- MicroSoft Ergonomic Serial Mouse w/ Pad

PII is here!

Pentium II
233Mhz $4025
266Mhz $4153
300Mhz $4385

Call for AGP Video card UPGRADE!

RAID-5 AMI Quad P6

- AMI (American Megatrends, Inc) Goliath Quad Pentium® Pro Processor EISA/PCI motherboard - U.S. designed & made 180/200MHz (or higher) 1/2/4 processors supported, easy processor upgrade thru CPU based board approach, 1GB memory max onboard with 168pin slots, 4 way interleave structure for max performance ECC supported, 168Pin DIMM supported, Intel 82450GX chipset, AMI Green Flash BIOS, 6 PCI + 4 EISA slots, integrated I/O w/ 1P/2S/FD/ IDEs/PS2 mouse
- Genuine Intel Pentium® Pro Processor(s) w/ Cooling Fan(s)
- 64MB=32MBx2 168Pin 4Mx72 EDO ECC Buffered DIMM
- 1.44MB Floppy Drive
- Mitsumi FX162T 16X Speed Internal ATAPI IDE CD-ROM
- DPT SmartRAID IV RAID-5 PM-3334UW/2 UWide SCSI PCI 2 channels Controller w/16MB ECC cache for protection
- Five 3.2GB Quantum FireBall ST33260S Ultra-SCSI-2 HDs
- Trident 9680 PCI 1MB MPEG+AVI Video Card
- 14" ShamRock 1Kx768NI Pwr-Saving Monitor
- Heavy-Duty Server Case Model LT-18 supporting 11 drive bays, 26"x10"x25", removable front & side doors, Lockable front door for security, "snap-in" drive mounts, swing-out feet
- 600W AT Size Turbo Power Supply special-designed for AMI Goliath with 12V/5V/3.3V DC output
- KeyTronic 104 Key Win95 PS/2 Keyboard
- MicroSoft Ergonomic Serial Mouse w/ Pad

P6 is here!

ULTRA WIDE 40MB/S Ready!!!

Intel Pentium® Pro
Dual 200Mhz 256/512k
$10001/$11045
Quad 200Mhz 256/512k
$13714/$15799

LOOKING FOR YOUR DREAM MACHINE AT THE CHEAPEST PRICE? SHOPPING FOR A PC IN THIS RAZOR-THIN-PROFIT INDUSTRY IS DANGEROUS BECAUSE 70% OF THE DEALERS WON'T LIVE TILL THE FOURTH YEAR IN BUSINESS, MOST SELL 3 OR 4 MACHINES A WEEK WITHOUT KNOWING WHAT THEY ARE SELLING AND 99% DON'T WANT TO SEE ANY MACHINE COMING BACK AFTER YOU WALK OUT OF THE DOOR. AT UMIRACLE, WE BUILD HUNDREDS OF PC'S EVERY WEEK, WE TEST EVERY POSSIBLE COMBINATIONS OF SOFTWARE AND HARDWARE FOR COMPATIBILITY, AND WE STAND BEHIND YOUR PC'S LIFETIME LONG! WHY? BECAUSE WE LOVE YOUR PC AS MUCH AS YOU DO! COME BY AND VISIT ONE OF OUR STORES AND YOU WILL FIND OUT WHY YOU WILL BE THE WINNER!

NT ENHANCEMENTS

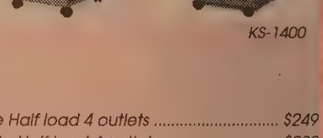
NT Guaranteed: All hardware listed below are guaranteed to be NT V4.0 compatible. We will make it right or your money back!

- **Memory**
  - *16/32/64/128MB 10ns SDRAM UnBuffered 168Pin DIMM for 430VX/TX ..... $Call*
  - *32/64/128MB 10ns SDRAM UnBuffered 168Pin DIMM w/EEPROM for 440LX ..... $Call*
  - *16/32/64/128MB 60ns DRAM ECC EDO Buffered 168Pin DIMM for 440FX ..... $Call*
- **RAID 5 Fast Ultra Wide SCSI-2 Host Adapter (for RAID-5 implementation, an IDE HD as boot drive is recommended)**
  - *DPT SmartCache IV SCSI Adapter & RAID Series/SmartRAID IV RAID Series ..... $Call*
  - *Mylex DAC960 Series Hi-Performance PCI RAID Controller with upto 3 UW SCSI channels supporting 45 HDs, upto 64MB Cache installable ..... $Call*
  - *AMI Complete MegaRAID Solution including:SCSI RAID level 0,1,3,5,10,30, and 50 PCI Disk Array Controllers/FlexRAID/Advanced Management Software/Advanced Enclosure Management/Boot-Up Configuration/Power Console/General Alert ..... $Call*
- **High Capacity Tape Drive**
  - *HP DAT SureStore 2000/5000 DAT8/DAT24/DAT24x6E Tape Drive ..... $Call*
  - *HP DAT OEM C1534A-2GB/C1536A-4GB/1599A-8GB/C1554A-24GB/C5648A-144GB ..... $Call*
  - *Seagate Scorpion 24GB Internal DDS-3 DAT Drive $1195*
  - *Seagate SDDS-DC DAT Internal Drive STD24000N 4GB/STD28000N 8GB ..... $635/$865*
  - *Seagate 32GB DAT DDS-2 Autoloader 4586NP (4 DAT Tape Support) $1035*
  - *Optional 12 Tape Magazine for above 4586NP upto 96GB (no tape) $135*
- **High End Video Card - 3D Rendering/Graphic Animation/OpenGL**
  - *Symmetric GLyder MAX/TX-16/TX-40/MP-40 3D Accelerator ..... $Call*
  - *Dynamic Pictures OpenGL Accelerator Oxygen102/202/402 ..... $Call*
- **Server Chassis (T-101)/Disk Array Chassis (T-103): Dimension=13"x31"x22" w/Dual Redundancy & Hot Swappable Power Supplies ..... $880/$880**
  - *T-101: 12 DriveBays/Upto 2 PowerSupply 2x300W 2x4.6" Smart Fans w/ Efficient Air Flow Full Size AT Motherboard FormFactor*
  - *T-103: 16 DriveBays/Upto 2 PowerSupply 2x300W 2x4.6" Smart Fans w/ Efficient Air Flow Perfect RAID Disk-Array Sub-Chassis*

- **Server Chassis LT-18 By Axxion w/o Power Supply.....$480**
  - *Full-size AT, Baby AT, oversize AT based boards, 11 drive bays (one 3.5" and four 5.25" exposed, six 5.25" hidden bays), Twelve slots, "snap-in" drive rails, secondary cooling fans, accepts standard power supply. Dimensions: 26" x 10" x 24.5" (DxWxH),*

LT-18 by Axxion

- **Server Enclosure KS-1400 w/ Dual Redundant Hot-Swappable 300Wx2 PS.....$990**
  - *Full-size AT, Baby AT, oversize AT based boards, 14 5.25" drive bays, Twelve slots, "snap-in" drive rails; 8 cooling fans, Dimensions: 20.5" x 16.25" x 23.75" (DxWxH)*



KS-1400

- **CD-ROM Tower Subsystem Chassis**
  - *7 Plextor 20X PX-20TSI w/250W PS $1708*
  - *7 Toshiba 15X XM-3801B w/250W PS $1245*
  - *7 Toshiba 12X XM-5701B w/250W PS $980*
- **UPS Un-interrupted Power Supply**
  - *APC SmartUPS 420VS 420VA 4 minute Full 9 Minute Half load 4 outlets $249*
  - *APC SmartUPS 650VS 650VA 5 minute Full 11 Minute Half load 4 outlets $299*
  - *APC SmartUPS 1000VS 1000VA 6 minute Full 15 Minute Half load 6 outlets $419*
  - *APC SmartUPS 1400VS 1400VA 7 minute Full 19 Minute Half load 6 outlets $549*
  - *Viewsonic Opti UPS w/complete software 280/420/650/1000/1400 .... $112/162/254/353/469*

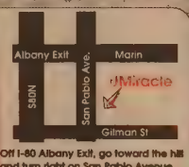
Compatibility Guaranteed

Windows NT 4.0 Server/Workstation

uMiracle MicroSystems
[redacted] Fremont Blvd, Fremont CA 94536
[redacted] Ph:510-226-3666 Fax:510-226-6758
[redacted] San Pablo Ave #1, Albany CA 94706
[redacted] Ph:510-526-2626 Fax:510-526-0274
[redacted] El Camino Rd, Belmont CA 94002
[redacted] Ph:415-592-3333 Fax:650-592-2919
[redacted]@umiracle.com

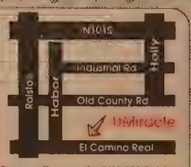
DISCOVER ATM VISA MasterCard

Albany Store
Ph:510-526-2626
1035 San Pablo Ave. #1
Albany, CA 94706
CLOSED ON SUNDAYS



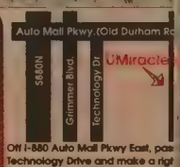
Off I-80 Albany Exit, go toward the hill and turn right on San Pablo Avenue. We are facing U.C. Village. Or off I-80 Gilman St, go toward the hill and make a left turn on San Pablo Ave.

Belmont Store
Ph:415-592-3333
1501 El Camino Real #E
Belmont CA 94002
CLOSED ON SUNDAYS



From north or south, Off I-101 Ralston Ave, go towards west, left on El Camino Real and make a U-turn ASAP. We are on your right.

Fremont Main
Ph:510-226-3666
44063 Fremont Blvd
Fremont CA 94538



Off I-880 Auto Mall Pkwy East, pass Technology Drive and make a right on Fremont Blvd, (or off 680 Durham go west, pass Osgood Rd, then make a left on Fremont Blvd.) first driveway on your right.

REAL STUFF, REAL QUALITY, REAL PRICES

Motherboard(without CPU, Call for CPU Prices)

A-BIT Office Pro PX-5 Jumperless 512K TX-chipset Motherboard Pentium 75-200Mhz/Cyrix® 686-200+/AMD K5/K6 DIMM+SIMM supported, 4 PCI+4 ISA slots, onbrd PCI-IDE, HiSpd I/O, FD, Flash BIOS w/ OverClock Setting AT Form ... $102

A-BIT Office Pro AX-5, same as above but in ATX Form ... $112

ASUS TX97 Pentium® processor-based board - 430TX PCISet, Pipelined 512K onbrd, 75-200Mhz Pentium/MMX/AMD/Cyrix200+ CPUs, 4 PCI+4 ISA+1 ASUS MediaBus slots, 168Pin DIMMx3 support, onbrd Ultra-IDE, FD, HiSpd I/O, Flash Award BIOS w/NCR SCSI Suppt, AT form factor ... $145

ASUS TX97-E same as TX97, plus 72PinSIMMx4 support ... $150

ASUS TX97-X Pentium® processor-based board - 430TX PCISet, Pipelined 512K onbrd, 75-200Mhz Pentium/MMX/AMD/Cyrix200+ CPUs, 4 PCI+4 ISA slots, 168Pin DIMMx3 support, CreativeLabs VIBRA PnP Audio, onbrd Ultra-IDE, FD, HiSpd I/O, USB, Flash Award BIOS w/NCR SCSI Suppt, ATX form factor ... $185

ASUS TX97-XE same as TX97X, plus 72PinSIMMx4 support ... $185

ASUS P2L97 Intel Pentium II motherboard - 233-333Mhz support, 440LX AGPset with Accelerated Graphics Port Connector for optimal Video Graphics, 5 PCI/2 ISA/1 AGP slots,DIMM, Onbrd I/O, UltraDMA PCI IDE, ATX format ... $255

ASUS P2L97-S same as P2L97, plus onbrd Adaptec 7880 U-Wide SCSI ... $315

ASUS P2L97-DS same as P2L97, plus onbrd Adaptec 7880 U-Wide SCSI and Dual Pentium II CPU support ... $425

Intel Anchorge AN430TX Pentium MMX motherboard - Yamaha OPL4 hardware wavetable audio, 512K Cache, 430TX chpst, 3 ISA+3 PCI slots, onbrd PCI-IDE, FD, I/O, PS/2 connectors, Flash AMI BIOS, 168Pin DIMM support upto 256MB, ATX form factor ... $170

Intel Portland PD440FX Pentium II ATX Motherboard - Boxed version, 233-266MHz Supported, 440FX Chipset, 3 ISA+3 PCI Slots, 512K Cache on Pentium II CPU Cartridge, 4 72Pin SIMM Slots, Onboard Super I/O/FD/IDEs/ PnP Yamaha POL3 Integrated Audio ... $225

Intel Atlanta AL440LX Pentium II Motherboard - 233Mhz & above CPU support 440LX AGPset with Accelerated Graphics Port Connector for optimal Video Graphics, Yamaha OPL4 hardware wavetable audio,3 PCI/2 ISA/1 AGP slots, DIMM, Onbrd I/O, UltraDMA PCI IDE, ATX format ... $260

Intel Dakota DK440LX Dual Pentium II Motherboard 82440LX AGPset - 233Mhz & above Dual CPU support, 440LX AGPset w/ Accelerated Graphics Port Connfr for Video Graphics,4 DIMM slots,Onbrd I/O,UltraDMA PCI IDE,onbrd Intel Pro10/100BT Ethernet/Adaptec 7895 Dual SCSI w/RAIDport ... $Call

•Intel Providence PR440FX Dual Pentium® Pro processor-based board - Intel 440FX PCISet, support Dual Pentium® Pro CPUs w/VRM, ECC EDO buffered 168Pin DIMM upto 512MB, Integrated LAN Controller Intel 82557 (=EtherExpress® Pro/100B), Integrated UltraWide SCSI Adaptec® 7880 w/ onbrd + External mini-68Pin Wide Connector, Integrated Audio - Crystal+Yamaha OPL3 FM Synthesizer 16bit StereoSound, 4 PCI+1 ISA slots, onbrd PCI Bus Master IDE parts,HiSpd I/O, FD, Flash AMI PnP BIOS ... $360

IWILL P55XUW PCI Pentium® processor-based ATX board w/ Built-in Adaptec® PCI SCSI chipset 7880 (AHA-2940UW UltraWide SCSI), Intel 430TX chpst, MMX/ Cyrix 686 CPU support, 50Pin Fast SCSI-2 & 68Pin Ultra Wide SCSI (40MB/s Burst) with optional RAID support, Pipelined 512K Cache onbrd, 3 PCI+4 ISA slots, 72Pin SIMM & 168PIN DIMM, onbrd UltraDMA IDE ports, FD, HiSpd I/O, USB, 50+68Pin Wide SCSI + FD/HD/IO cables, Musical alarm CPU fan, PS/2 mouse port & EZ-SCSI V4.0L + Adaptec® software & manual included ... $285

TYAN Tahoe-A ATX S1684SA Pentium II 233-300 MHz System Board - 4 PCI + 4 ISA Slots, 6 72Pin SIMM for Max 512MB, Integrated Creative Labs Vibra 16 Audio, Onbrd Super IO/FD/IDEs/USBs/PS2, Flash Award BIOS (Also supports Pentium Pro CPU with optional Riser Card) ... $240

TYAN Tahoe-2 ATX S1682D Dual Pentium II 233-300 MHz System Board - 5 PCI + 3 ISA Slots, 8 72Pin SIMM for Max 512MB, Onbrd Super IO/FD/IDEs/USBs/PS2, Flash Award BIOS ... $285

Tyan Tiger Single ATX (S1692S) - Pentium II board, 233Mhz & above CPU support, 440LX AGPset with Accelerated Graphics Port Connector for optimal Video Graphics, 3 PCI/2 ISA/1 AGP slots, DIMM, Onbrd I/O, UltraDMAIDE, ATX ... $280

Tyan Tiger Dual ATX (S1692DL) - Dual PII board, same as Tiger Single ... $320

Tyan Thunder 2 ATX (S1696DLUA) - Dual Pentium II board w/ 440LX chpst ... $Call

AMI (American Megatrends, Inc) Goliath Quad Pentium® Pro Processor EISA/ PCI motherboard - U.S. designed and made 180/200MHz (or higher) 1/2/4 processors supported, easy upgrade thru CPU based board approach, 1GB memory max onboard with 168 pin slots, 4 way interleave for max performance, ECC support, 168Pin DIMM support, 82450GX chpst, AMI Flash BIOS, 6 PCI+4 EISA slots, integrated I/O w/ 1P/2S/FD/IDE, Full Size AT factor

Above w/ two 200MHz Pentium Pro 256K CPUs ... $5220

Above w/ four 200MHz Pentium Pro 256K CPUs & 2nd CPU baseboard ... $7835

CPU & Memory (Prices Subject to Change Without Notice!)

Intel Pentium® Pro processor 256K/512K/1024K 150/180/200Mhz ... $Call

Intel Pentium® II processor 233MHz/266MHz/300MHz 512K Cache ... $Call

Pentium® P5-100/120/133/150/166/200/233MHz/MMX CPU ... $Call

AMD K5/K6/Cyrix®/IBM® 6x86-166+/200+/M2 CPU ... $Call

256/512K Synchronous Pipelined Cache COAST module ... $20/$25

72Pin SIMM - 32/36Bit-FP/EDO/Parity ... $Call

16/32/64MB 168Pin SDRAM DIMM Unbuffered 10ns for TX/440FX/LX ... $Call

32/64/128MB 168Pin SDRAM DIMM+EPROM/ECC UnBuffered 10ns 440LX ... $Call

I/O Card, Controller Card

Adaptec 2940U Ultra SCSI-2/2940UW SCSI-2 Controller ... $165/$195

Adaptec AAA-131/AAA-133 RAID 5 Ultra-Wide SCSI-2 Multi-Channel Host Adaptor w/1MB Cache onbrd ... $440/$695

Western Digital PCI-SCSI Adapter - 7193RTL, Fast SCSI-2, 10MB/s, CorelSCSI! ... $80

External SCSI-2 50Pin Mini-68Pin Adapter for Internal 50pin ribbon cable SCSI ... $20

External Wide SCSI Mini-68Pin Adapter with 3-68pin-connector internal ribbon cable for any onboard internal 68pin Wide SCSI interface ... $45

Fast Wide SCSI-2 internal Ribbon Cable, 68Pin, 2/3 connectors ... $20/30

External SCSI Cables/Terminator Centronic/Mini/UltraDensity 50/68Pin ... $Call

Network Card

Ethernet NE2000 ISA PnP/Softset 16Bit Combo/PCI Combo ... $25/$40

Intel EtherExpress Pro 10/100 PCI ENET 32Bit 10-BT (PILA8465B) ... $60

3COM Etherlink III 3C509B Combo ... $70

3COM Etherlink XL 3C900 Parallel-Tasking PCI Combo ... $78

3COM Fast Etherlink XL 3C905-TX Parallel-Tasking 100BT PCI ... $65

Video Card

Trident 9680 Windows Accelerator PCI 1MB/2MB with MPEG and AVI Motion Video built-in ... $35/45

ATI 3D ProTurbo PC2TV SGRAM 4MB/8MB ... $135/$180

ATI All-In-Wonder 7-In-One TV, Video and Graphic multimedia PC or TV Display, TV Tuner, w/ ATI's 3D RAGE II and ImpactTV chipset 4MB ... $265

ATI Xpert@Work AGP/PCI RAGE PRO Chipset SGRAM DVD Acceleration, OpenGL Compliant, 4MB/8MB ... $180/239

ATI Xpert@Play AGP RAGE PRO Chipset SGRAM DVD Acceleration, TV Out Features, 4MB/8MB ... $192/245

ATI Xpert@Play PCI RAGE PRO Chipset SGRAM DVD Acceleration, TV Out Features, 4MB/8MB ... $180/230

Matrox MGA Millennium II WRAM PCI 4MB/8MB ... $210/$360

Memory module for Millennium II 4MB/8MB/12MB ... $145/$235/$325

Matrox MGA Mystique 220 2MB/4MB SGRAM OEM ... $89/119

Matrox MGA Millennium 3D WRAM AGP Video card ... $Call

Diamond VIPER V330 AGP(Accelerated Graphic Port) 4MB SGRAM 2D/3D NVIDIA RIVA128 Chpst 128Bit Windows Accelerator Upgradable to DVD ... $180

Diamond VIPER V330 PCI 4MB SGRAM 2D/3D NVIDIA RIVA128 Chpst 128Bit Windows Accelerator Upgradable to DVD ... $185

Diamond FIRE GL1000 Pro 4MB/8MB AGP SGRAM 2/3DLabs Permedia 2 Graphics Chipset ... $169/$199

Monitor

14" ShamRock 1Kx768Nlx0.28DP Digital Control Pwr-Saving Monitor ... $145

15"/17" ShamRock 1280x1KNlx0.28DP Monitor ... $195/$385

Hitachi NSA SuperScan Pro CM-500U 15" .28DP, 1280x1024 ... $305

Hitachi NSA SuperScan Pro CM-620U 17" .28DP, 1280x1024 ... $520

Hitachi NSA SuperScan Pro CM-751MU 19" .22DP, 1600x1200 ... $1045

Hitachi NSA SuperScan Pro CM-800U 21" .22DP, 1600x1200x75Hz ... $1355

Hitachi NSA SuperScan Elite CM-630U 17" .22DP, 1600x1280x69Hz ... $685

Hitachi NSA SuperScan Elite CM-802U 21" .22DP, 1600x1280 ... $1790

Hitachi NSA SuperScan Elite CM-803U 21" .22DP, 1800x1440 77Hz ... $1890

IIYAMA VisionMaster-17 MF-8617E 17" .26DP, Microprocessor Contrl, PnP, DPMS, MPRII, Full On-screen program, 1600x1200@69Hz ... $519

IIYAMA VisionMaster-Pro 17 MT-9017E 17" .25DP, Microprocessor Contrl, PnP, DPMS, MPRII, Full On-screen program, 1600x1200@72Hz, Trinitron Tube ... $610

IIYAMA VisionMaster MF-8221E 21" .22x.16DP, Microprocessor Contrl, PnP, DPMS, MPRII, Full On-screen program, 1600x1200@76Hz ... $1295

IIYAMA VisionMaster MT-9021E 21" .30x.00DP, Microprocessor Contrl, PnP, DPMS, MPRII, Full On-screen program, 1600x1200@76Hz, Trinitron Tube ... $1315

Sony 15" 100SX/100SF 17" 200SX/200SF/17SE2T ... $325/$345/$585/$63•0/$845

Sony 20" 300SFT/GDM20SE2T ... $1295/$1705

Viewsonic E641/E655/15GA/15GS/17EA/17GA/17PS/PT770/PT775/GT770/G800/ G810/PT813/G810/GT800/29GA/P810/P815/etc ... $Call

Mitsubishi, NEC, ADI, Nokia ... $Call

Modem

SupraExpress 33.6K Voice Fax internal PnP ... $99

SupraExpress 56K internal PnP Fax + SpeakerPhone ... $125

USR Sportster 33.6K Faxmodem Internal/External ... $90/$140

USR Sportster 33.6K Voice Faxmodem w/Voice Internal ... $100

USR Sportster x2-56K Faxmodem Internal/External ... $150/$195

USR Sportster x2-56K Voice Faxmodem w/Voice Int./Ext ... $160/$215

Floppy Drive Tape Backup

Floppy Drive 1.44M 3.5"/Teac 1.2M 5.25"/1.44M 3.5" ... $20/$40/$37

Colorado 3.2GB T-3000 off floppy Travan w/Win95 Sftwre, w/tape ... $175

Colorado HP T4000S 8GB, 62MB/min, SCSI-2, Travan TR-4, internal, w/tape $359

Seagate 4586NP SCSI-2 DAT DDS-2 Autoloader supports 4 - 120m 4MM DAT tapes for 32GB, optional 12 tape magazine for 96GB ... $935

Optional 12 tape magazine for above ... $135

a:Drive LS-120MB Super Floppy Drive 5X1.44FD speed, read/write 1.44MB ... $Call

Iomega ZIP Drive 100MB w/disk ATAPI IDE -Internal ... $120

Iomega ZIP Drive 100MB w/disk SCSI-Internal/External ... $140/$155

Iomega ZIP Drive Disks single/three/ten pack ... $15/$40/$130

Iomega Jaz Drive 1GB w/disk SCSI-Internal/External ... $289/$390

Iomega Jaz Drive Disks single/five pack ... $92/$445

Iomega Ditto TapeBackup 2GB Insider Tavan TR-1,2,3 ... $120

Iomega Ditto TapeBackup 3200 Insider 3.2GB Tavan QIC ... $195

Tape Cartridge TR-1/TR-3/TR-4/DAT ... $20/$25/$45/$Call

Keyboard, Mice, Software, Chassis, PowerSupply, Misc.

Mitsumi/KeyTronic104 Enhanced Win95 Keyboard ... $27/$21

Focus 2001 104 Win95 Key Enhanced Click w/Cover ... $33

Focus 6002 104 Win95 Key Enhanced w/ wristrest ... $30

Natural Keyboard SK-6000 Win95 Key Enhanced / with Touch Pad ... $50/$70

MicroSoft Natural Keyboard Win95 Key/Ergonomic Serial/PS 2 type Sold with System Purchase ONLY ... $70/$30/$35

Logitech 2-Button Mouse Serial/PS2 ... $12/$12

Logitech Mousernan Serial+PS 2 Combo/Cordless ... $30/$85

Logitech Trackman Marble ... $80

MS DOS 6.22/Windows V3.11/WFWG V3.11(w/System Purchase) ... $45/55/75

MS Windows 95 Full CD OEM/NT V4.0 Workstation (w/SystemPurchase) $90/$145

MS Office Professional 97 CD version (w/SystemPurchase) ... $325

MS Windows NT V4.0 Server with 5 User Access License OEM ... $550

MS Windows NT V4.0 Server 20 User Access License (No Software) ... $580

GigiStar Series Full Tower AT 250W/ATX 230W ... $110/$115

GigiStar Series Medium Tower AT 250W/ATX 230W ... $85/$90

GigiStar Series Mini Tower/DeskTop AT 230W ... $80/$80

Server Class Super Case w/250W PS w/ detachable front panel, Dual side door, solid construction, slide-in Drive Bay, Dual fans, lots of bays, Fits Full/Baby AT Size board, Medium/Full Tower ... $115/$140

Server Chassis (T-101)/Disk Array Chassis (T-103): Dimension=13"x31"x22" w/Dual Redundancy & Hot Swappable Power Supplies:

- T-101:12 DriveBays/Upto 2 PowerSupply 2x300W, 2x4.6" Smart Fans w/ Efficient, Air Flow, Full Size AT Motherboard FormFactor ... $680
- T-103: 16 DriveBays/Upto 2 PowerSupply 2x300W, 2x4.6" Smart Fans w/ Efficient Air Flow, Perfect RAID Disk-Array Sub-Chassis ... $880

Server Chassis LT-18 By Axxion w/o Power Supply - Full-size AT, Baby AT, oversize AT based boards, 11 drive bays (one 3.5" and four 5.25" exposed, six 5.25" hidden bays), Twelve slots, "snap-in" drive rails, second cooling fans, accepts standard power supply, Dims: 26" x 10" x 24.5" ... $480

Server Enclosure KS-1400 w/ Dual Redundant Hot-Swappable 300Wx2 PS, Full-size AT, Baby AT, oversize AT based boards,14-5.25" drive bays, Twelve slots, "snap-in" drive rails, 8 cooling fans, Dims: 20.5" x 16.25" x 23.75" (DxWxH) ... $990

Deluxe External SCSI Case w/Terminator+SCSI Cable+P/S+Fan 3.5" Half Height/5.25" Half Height ... $60/$90

Deluxe External SCSI Case w/68Pin Wide/Ultra Wide SCSI Connector + P/S + Fan 3.5" Half Height with 68Pin External Cable and Terminator ... $150

Power Supply PS-2 Type 230W/250W/300W ... $28/$35/$85

Power Supply ATX Type 235W/300W ... $65/$85

486/P5/P6 CPU Cooling Ball-Bearing Fan w/heat sink ... $8/$12/$25

Chassis Second Cooling Fan 3" or 3.5" ... $15

Printer Cable 6"/10"/15"/25" ... $7/$7/10/16

PS/2 mouse port connector for motherboard PS/2 mouse port ... $10

CD-ROM Drive

Toshiba XM-6102B 24X Speed Internal ATAPI IDE CD ROM ... $85

Mitsumi FX162T 16X Speed Internal ATAPI IDE CD-ROM ... $75

Mitsumi FX810T 8X Speed Internal ATAPI IDE CD-ROM ... $60

Toshiba XM-5701 12X Speed Internal SCSI CD ROM ... $105

Toshiba XM-3801B 15X Speed Internal SCSI CD ROM ... $140

Plextor 20-Plex 12/20XSpeed, 1800-3000Kb/sec, Fast SCSI2, 95ms seek, 512K Buffer, SCAM, w/Tray, PX-20TSI internal ... $230

DVD/CD Writer/RE-Writer Internal/External ... $Call

Sound Card/Speaker/Multimedia Package

Yamaha, Altec, Lansing Speakers ... $40

60W/80W/120W Hi-Fi Amplified Stereo Speakers ... $15/30/55

Yamaha 3D Stereo Sound Card w/ Wavetable, Full Duplex, 16Bit ... $20

Sound Blaster 16 PnP OEM ... $55

Sound Blaster AWE64 PnP Value OEM ... $90

Sound Blaster AWE64 GOLD PnP w/ IDE Interface Retail ... $180

Audio Cable - CD-ROM to Sound Card ... $5

HardDisk

Western Digital - Caviar

1.2GB IDE WDAC11200 - Enhanced IDE Mode-4 256KB 11ms 5200RPM ... $155

2.1GB IDE WDAC12100 - UltraDMA 33.3Mb/s 128KB 10ms 5200RPM ... $175

2.5GB IDE WDAC22500 - Enhanced IDE Mode-4 256KB 11ms 5200RPM ... $195

3.2GB IDE WDAC33200 - Enhanced IDE Mode-4 128KB <12ms 5200RPM ... $205

4.3GB IDE WDAC34300 - UltraDMA 33.3Mb/s 256KB 11ms 5400RPM ... $245

5.1GB IDE WDAC35100 - UltraDMA 33.3Mb/s 256KB 11ms 5400RPM ... $310

6.4GB IDE WDAC36400 - UltraDMA 33.3Mb/s 256KB 9.5ms 5400RPM ... $395

2.1GB Ultra SCSI-2 Enterprise E2170-3 512KB 7200RPM ... $395

2.1GB UltraWide SCSI-2 Enterprise E2170-7 512KB 7200RPM ... $465

4.3GB Ultra SCSI-2 Enterprise E4360-3 512KB 7200RPM ... $520

4.3GB UltraWide SCSI-2 Enterprise E4360-7 512KB 7200RPM ... $525

9.1GB Ultra SCSI-2 Enterprise E9100-3 512KB 7200RPM ... $Call

9.1GB UltraWide SCSI-2 Enterprise E9100-7 512KB 7200RPM ... $Call

Quantum

2.1GB FireBall ST32160A EIDE UltraDMA 10ms, 5400RPM ... $185

3.2GB FireBall ST33240A EIDE UltraDMA 10ms, 5400RPM ... $215

4.3GB FireBall ST34320A EIDE UltraDMA 10ms, 5400RPM ... $260

6.5GB FireBall ST36480A EIDE UltraDMA 10ms, 5400RPM ... $350

2.1GB FireBall ST32160S Ultra-SCSI 10ms, 5400RPM ... $270

3.2GB FireBall ST33240S Ultra-SCSI 10ms, 5400RPM ... $305

4.3GB FireBall ST34320S Ultra-SCSI 10ms, 5400RPM ... $335

6.5GB FireBall ST36480S Ultra-SCSI 10ms, 5400RPM ... $455

4.5GB Viking VK34550N Ultra SCSI-2, 8ms, 7200RPM ... $360

4.5GB Viking VK34550W Ultra Wide SCSI-2, 8ms, 7200RPM ... $365

9.1GB Atlas AL39100N Ultra SCSI-2, 8ms, 7200RPM ... $840

9•.1GB Atlas AL39100W Ultra Wide SCSI-2, 8ms, 7200RPM ... $850

Seagate

2.26GB Barracuda 4LP ST322•72N Ultra SCSI-2 50pin 7200RPM, 512K ... $375

2.26GB Barracuda 4LP ST32272W Ultra Wide SCSI-2 68pin 7200RPM, 512K .. $385

4.55GB Barracuda 4LP ST34572N Ultra SCSI-2 50pin 7200RPM, 512K ... $555

4.55GB Barracuda 4LP ST34572W Ultra Wide SCSI-2 68pin 7200RPM, 512K .. $565

9.1GB Barracuda9 ST19171N Ultra SCSI-2 50pin 7200RPM, 512K ... $995

9.1GB Barracuda9 ST19171W Ultra Wide SCSI 68pin 7200RPM, 512K .. $1025

4.55GB Cheetah AV ST34501N Ultra SCSI-2 8.5MS,10000RPM ... $730

4.55GB Cheetah AV ST34501W UltraWide SCSI 68pin 7.5MS,10000RPM ... $765

9.1GB Cheetah AV ST19101N Ultra SCSI-2 7.5MS,10000RPM ... $1205

9.1GB Cheetah AV ST19101W UltraWide SCSI 7.5MS,10000RPM ... $1225

MicroPolis

4.5GB TomaHawk 4LP 4345NS Ultra SCSI-2 50pin 7200RPM,8ms, 512K ... $455

4.5GB TomaHawk 4LP 4345WS UltraWide SCSI-2 68pin,7200RPM,8ms, 512K $465

9.1GB TomaHawk9 3391NS Ultra SCSI-2 50pin, 7200RPM, 8ms, 512K ... $965

9.1GB TomaHawk9 3391WS Ultra Wide SCSI-2 68pin, 7200RPM, 8ms, 512K .. $985

UMiracle Microsystems

PC UPGRADES & SERVICE WELCOME! OUR TECHNICAL EXPERTS CAN TROUBLESHOOT YOUR PROBLEMS SUPER FAST!

- NETWORK DESIGN LAYOUT
- PHYSICAL CABLING SERVICE
- SERVER/CLIENT SETUP/CUSTOMIZATION
- WAN/LAN CONNECTIVITY
- INTERNET/EMAIL CONNECTION
- EQUIPMENT SETUP/CUSTOMIZATION
- SOFTWARE DESIGN/INSTALLATION
- POWER AND DATA PROTECTION
- USER/ADMINISTRATOR TRAINING
- EXPERTISE TECHNICAL SUPPORT
- MAINTAINENCE CONTRACT

5 + PEER2PEER NETWORK SOLUTION

- *FIVE ASUS TX97 AMD-K5 166MHz WorkStations w/Licensed Windows 95*
  (See Previous Pages for Workstation Configuration Details)
- *FIVE Intel EtherExpress 100BaseT PCI Network Interface Adapters Installed*
- *Up to 500' Catalog-5 100BaseT UTP Cabling (InWall w/ Plates - 5 Nodes)*
- *10BaseT 8-Port Hub*
- *HP LaserJet 5 Printer*
- *OnSite Windows 95 Peer to Peer Network Resources and Printer Setup*

Recommended Options:
- *100BaseT 8-Port Hub*
- *Internet Access + EMail Solution*
- *Network User + Administrator Training*
- *3 Month 8-Hour Response Service Maintainence Contract*

$6864 or
EQUIPMENT BUSINESSLEASE*
FOR AS LOW AS $190 PER MONTH 48 MONTHS

10 + ONE NETWORK SOLUTION

- *TEN ASUS TX97 AMD-K5 166MHz WorkStations w/Licensed Windows 95*
- *ONE ASUS P2L97 Pentium II 266MHz AGP File Server w/25 User Licensed NT4.0 Server*
  (See Previous Pages for Workstations and Server Configuration Details)
- *ELEVEN Intel EtherExpress 100BaseT PCI Network Interface Adapters Installed*
- *HP LaserJet 5N WorkGroup Printer w/10BaseT Connection to Server*
- *3COM 3C250B-TX 12-Port 100BaseT Stackable Hub*
- *APC Smart-UPS VS420 Un-interruptable Power Supply w/ Setup*
- *Up to 1100' Catalog5 100BaseT UTP Cabling (InWall w/ Plates - 11 Nodes)*
- *OnSite Windows NT WorkGroup Network Resources and Printer Setup*

Recommended Options:
- *Internet Acces + EMail Solution*
- *3 KeyStroke Recovery Backup Solution*
- *Fax Server Solution*
- *Network User + Administrator Training*
- *6 Month 8-Hour Response Service Maintainence Contract*

$17131 or
EQUIPMENT BUSINESSLEASE*
FOR AS LOW AS $476 PER MONTH 48 MONTHS

MIS GUYS, WE KNOW YOU ARE TIRED! YOUR COMPANY DEPENDS ON YOUR NETWORK AND YOUR NETWORK DEPENDS ON YOU! YOU ARE PAYING YOUR CONSULTANT TO EXPERIMENT WITH YOUR HARDWARE! YOUR HARDWARE PROVIDER IS CLAIMING YOUR PROBLEM IS SOFTWARE RELATED BUT YOUR SOFTWARE VENDOR SAYS IT IS NOT! AND YOUR BOSS IS PULLING YOUR HAIR!

YOU THOUGHT IT WAS EASY? WISH YOU HAVE KNOWN THE COMPATIBILITY PROBLEM FOR YOUR NON-RETURNABLE PURCHASE? WISH YOUR CONSULTANT HAVE KNOWN IT ALL?

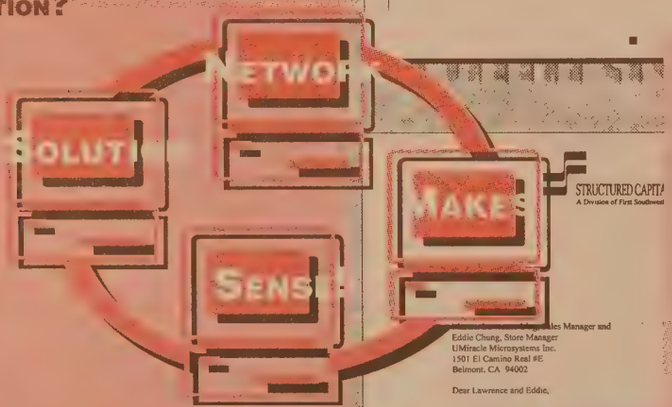
DON'T YOU KNOW CONSULTANTS COME TO UMIRACLE WHEN THEY NEED HELP? DON'T YOU KNOW YOU CAN SAVE MONEY BY SKIPPING YOUR VAR? DON'T YOU KNOW YOU CAN SIT BACK AND RELAX IF UMIRACLE PROVIDES YOU A COMPLETE, HASSLE-FREE VERTICAL SOLUTION?

20 + ONE NETWORK SOLUTION

- *TWENTY Intel Anchorage w/Audio Pentium 166MMX WorkStations w/Licensed Windows 95*
- *ONE Intel Providence PentiumPro File Server w/ One PentiumPro 180MHz CPU w/25 User Licensed NT4.0 Server with Dual 100BaseT PCI NICs each connected to 100BaseT hub for double thoroughput*
  (See Previous Pages for Workstations and Server Configuration Details)
- *TWENTY-TWO Intel EtherExpress 100BaseT PCL Network Interface Adapters Installed*
- *ONE HP LaserJet 5M WorkGroup Printer w/10BaseT Connection to Server*
- *TWO 3COM 3C250B-TX 12-Port 100BaseT Stackable Hub*
- *APC Smart-UPS VS650 Un-interruptable Power Supply w/ Setup*
- *Up to 2100' Cat5 100BaseT UTP Cabling (InWall w/ Plates - 21 Nodes)*
- *OnSite Windows NT WorkGroup Network Printer and Resources Setup*

Recommended Options:
- *Internet Acces + EMail Solution*
- *3 KeyStroke Recovery Backup Solution*
- *Fax Server Solution*
- *Network User + Administrator Training*
- *6 Month 8-Hour Response Service Maintainence Contract*

$38490 or
EQUIPMENT BUSINESSLEASE*
FOR AS LOW AS $1066 PER MONTH 48 MONTHS



40 + ONE NETWORK SOLUTION

- *FORTY Intel Anchorage w/Audio Pentium 166MMX WorkStations w/Licensed Windows 95*
- *One Tiger PII RAID-5 266MHz File Server w/45 User Licensed NT4.0 Server with Adaptec ANA-6940 Quad 100BaseT Port PCI Adapter for quadruple thoroughput*
  (See Previous Pages for Workstations and Server Configuration Details)
- *FORTY Intel EtherExpress 100BaseT PCI Network Interface Adapters Installed*
- *ONE HP LaserJet 5SiMX Departmental Printer w/10BaseT Connection to Server*
- *FOUR 3COM 3C250 12-Port 100BaseT Stackable Hubs*
- *APC Smart-UPS VS1000 Un-interruptable Power Supply w/ Setup*
- *Up to 4100' Catalog5 100BaseT UTP Cabling (InWall w/ Plates - 41 Nodes plus Wiring Rack)*
- *OnSite Windows NT WorkGroup Network Printer & Resources Setup*

Recommended Options:
- *Internet Acces + EMail Solution*
- *3 KeyStroke Recovery Backup Solution*
- *Fax Server Solution*
- *Network User + Administrator Training*
- *12 Month 8-Hour Response Service Maintainence Contract*

$96358 or
EQUIPMENT BUSINESSLEASE*
FOR AS LOW AS $2621 PER MONTH 48 MONTHS

FREE ON-SITE CONSULTATION
WE SERVE ENTIRE BAY-AREA

UMiracle
NETWORK SOLUTION
Call 1888-NET-OKAY
(3 8 8 - 6 5 2 9)

UMiracle Microsystems Corporate Office
44063 Fremont Blvd. Fremont CA 94538
Phone: 510-226-3666 Fax: 510-226-6758

* EQUIPMENT BUSINESS LEASE APPLIES TO EQUIPMENT, CABLING & SETUP LABOR ALTOGETHER. LEASE PAYMENT IS BASED ON $1 PURCHASE PURCHASE OPTION. ONE TIME $75 DOCUMENTATION FEE ARE REQUIRED. TWO ADVANCED PAYMENTS REQUIRED IF APPROVED. TAXES ARE NOT YET INCLUDED.

INTERNET ACCESS+EMAIL SOLUTION

INTERNET PROVIDES POWER TO BUSINESS USERS LIKE YOU! EXPLORING YOUR IDEA, GO TO INTERNET! RESEARCHING YOUR PROJECT, GO TO INTERNET! MAKING AN INTERNATIONAL CALL, GO TO INTERNET! ONCE YOU HAVE IT, YOU WILL HOOK ON IT. AND TO HOOK ON IT CHEAP, YOU NEED ISDN INTERNET ACCESS FROM UMIRACLE. WE WILL SETUP YOUR ISDN LINE, GET YOU THE RIGHT ROUTER, SETUP YOUR ISP ACCESS ACCOUNT, SETUP YOUR EMAIL ADDRESSES, CONFIGURE YOUR NETWORK WITH TCPIP PROCOTOL, ALL FOR ONE PACKAGE PRICE! CALL UMIRACLE NETWORK SOLUTION FOR DETAILS!

FAX SERVER SOLUTION

DON'T WAIT IN LINE FOR YOUR TURN TO FAX, DON'T HAND-WRITE YOUR COVER PAGE! FAX DIRECTLY FROM YOUR DESKTOP, NEATLY AND PROFESSIONALLY! WITH THE RIGHT FAX SOLUTION, YOU CAN RECEIVE YOUR FAX AND PRINT RIGHT TO YOUR LASER PRINTER, REPRINT YOUR 6 MONTHS OLD FAX, FAX YOUR DOCUMENTS FROM YOUR WINDOWS APPLICATION JUST LIKE PRINTING. ALL VIA ONE LINE, ONE MODEM! FORGET ABOUT BRINGNG A LINE AND A MODEM TO EVERY DESKTOP! WITH WINFAX PRO FOR NETWORKS (NON-DELICATED) AND SATISFAXTION FAXBOARD, AND UMIRACLE NETWORK SOLUTION TECHNICAL EXPERTISE, WE SURE CAN GET YOU THE BEST SOLUTION! CALL US FOR DETAILS!

3-KEYSTROKE RECOVERY BACKUP SOLUTION

YOU THINK YOU GOT IT ALL BACKED UP? NOT UNTIL THE DAY YOUR SERVER CRASHES YOU WILL FIND OUT YOU HAVE TO 1.) TROUBLESHOOT AND REPLACE YOUR DEFECTIVE COMPONENTS, 2.) RELOAD YOUR NOS, DRIVERS, APPICATIONS AND BACKUP SOFTWARE, 3.)RESTORE YOUR DATA FILES FROM BACKUP, 4.)RECONSTRUCT YOUR USER AND PRINTER ACCOUNTS, AND 5.)EXPECT MISSING AND CORRUPTED DATA HERE AND THERE! WHY? BECAUSE YOUR BACKUP SOFTWARE BACKS UP ONLY DATA FILES, NOT THE OPENED FILES, NOT THE SECURITY DATABASE OR PARTITION INFORMATION! BACKUP SOFTWARE DON'T MAKE SENSE UNTIL NOW! WITH REPLICA V3 BY STAC, YOU CAN BACKUP YOUR HARDDRIVE PARTITIONS AS OBJECTS, RESCUE YOUR DISASTER WITH 3 KEYSTROKES FROM A RECOVERY DISK, EVEN FROM A LOW-LEVEL-FORMATED HARDDRIVE, AND BRING YOUR SERVER UP IN HOURS! TO FIND OUT HOW WE CAN PROVIDE THIS SOLUTION, CALL US NOW!

WE MONITOR THE TRENDS OF EVERY TECHNOLOGY IN THE INDUSTRY AND GET YOU THE BEST! GUARANTEE WE WILL TAKE IT BACK IF IT DOESN'T WORK!

DVD And 3-D *continued from page 88*

Equipped with the almost-standard video-out jacks, this is another very easy-to-install card. Screen resolutions are the same as the Viper and overall performance in both 2-D and 3-D is very comparable to the Viper. The software bundle is well-rounded: *Interstate 76, Moto Racer, FIFA Soccer 97,* and various Web and graphics tools.

It's priced the same as the Viper, and there is very little to differentiate between the two, but either way the Velocity or Viper is a very solid choice and sure to please. ($199.99)

Diamond Stealth 2

On the low end of the price spectrum, the Stealth 2 performs remarkably well against the more expensive cards and is a perfect all-in-one card for someone looking for a good price. A little slower on the 2-D side, and with only a 170MHz Ramdac compared to its big brother the Viper, it still is a very fast card.

The 3-D benchmarks using Direct 3D actually approach the level of the 3DFX cards running Direct 3D. The software bundle is a little on the skimpy side, with only a CD game sampler, but for a complete video solution without breaking the bank, the Stealth 2 is a very good choice. ($195.95)

Matrox m3D

The lowest-priced card in the bunch, the m3D card is a perfect card for someone who wants to get on the 3-D graphics bandwagon, already owns a decent 2-D card and doesn't want to spend a ton of money.

Using the Power VR PX2 chip, this card does not approach the blazing speed of the Velocity 128 or Viper, but it still gives some great results in Direct 3-D and is a real bargain. The card is not without software either. A full version of *Ultim@te Race,* an 8-level version of *Hexen 2* and a CD sampler rounds out the package. ($115). ■

Copyright © 1997 by Jim Pedicord. All rights reserved.

Resources:

Hi-Val
URL: *http://www.hival.com*
(714)953-3000

Creative Labs
URL: *http://www.creativelabs.com*
(408)428-6600

Intergraph/Electronic Arts Distributor
URL: *http://www.ea.com*
1-800-245-4525

Jazz Multimedia
URL: *http://www.jazzmm.com*
(408)727-8900

Canopus
URL: *http://www.canopuscorp.com*
1-888-868-2533

Diamond Multimedia
URL: *http://www.diamondmm.com*
1-800-468-5846

STB Systems
URL: *http://www.stb.com*
1-800-234-4334

Diamond Multimedia
URL: *http://www.diamondmm.com*
1-800-468-5846

Matrox
URL: *http://www.matrox.com/mga*
1-800-844-8302

Save Time & Money by Consolidating UNIX/Windows NT on a Single Server. Centralize Administration with Solutions from SUN Microsystems and Coastal

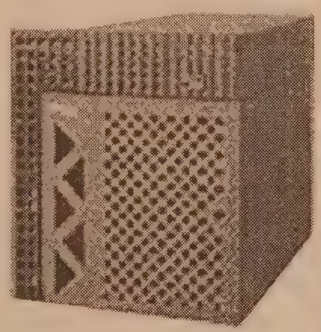
Sun
Value Added Reseller

JavaStation
One simple network solution by Sun microsystems! First-generation JavaStation for LANs with small desktop box, integrated power supply and fan. Ideal for embedded applications. JavaStation is the ultimate example of a thin client. Reduce your system's costs to upgrade older PCs and terminals. Compare today's expenses with lower administration costs, higher security, and a central application for both data management and distribution within your company. Enjoy an easy migration into this new environment.

Only $742

SPARCstation™ 5/170MHz..... Under $1199 Lease to Own!
Ultra Internet Servers..... Under $7499 Lease to Own!

The Ultra Enterprise 450
The Ultimate in Capability & Scalability



The Enterprise 450 delivers excellent performance featuring up to four 250/300-MHz UltraSPARC-II™ processors. Plus a 1.6GB/sec UPA interconnect, and a 600MB/sec PCI I/O subsystem for outstanding performance and data throughput. With up to 4GB of main memory, 84GB of fast hot-swap Ultra SCSI internal storage, and over 6TB of storage capacity. Whether it's running one critical application for hundreds of clients, the Ultra™ Enterprise™ 450 gives you performance, reliability, and scalability you can count on!

Starting at $14,999 Lease to Own!

Let Coastal Provide the Solution That Fits Your Needs!
Enterprise Wide Solutions • Internet/Intranet Administration
Web-Site Creation • Hosting • Frame Relay
Local/Nationwide • Leasing
Coastal is an Authorized Dealer for Sun Microsystems

COASTAL
Strategic Internet Resources

510-927-5000
Fax: 510-927-5005
jgerlach@the-coast.com
Web site: www.coastal.net
1111 Civic Drive #395
Walnut Creek, CA 94596

Prices subject to change without notice Not responsible for typographical errors.

Visual Delights In CD-ROMs

The Gift Of Art In A New Package

By Tony Reveaux

A work of art may be the most memorable of gifts. When it is delivered and experienced in the myriad dimensions of multimedia, its bounty can echo and radiate through the mind.

Here are three silvery CD-ROMs that will set any stocking spinning. They present virtual excursions in architecture, painting and sculpture, and photography.

Frank Lloyd Wright's Fallingwater

Experiencing great architecture first-hand is dependent upon the luck and circumstance of geographic opportunity. Interactive multimedia is emerging as a perceptual alternative to the trip, the book or the video. We'll still have to wait a few years more for the easily accessible, totally immersive walk-through, but this CD-ROM does a good job of getting us on the way.

Frank Lloyd Wright's Fallingwater (Interactive Pictures Corp., Mac/Windows, $49.95) is a warmly receptive and informative resource that embraces the viewer in a naturalistic and detailed navigable environment. Of all the structures that could be chosen for this kind of attention, this is worthy of it all. Fallingwater is probably the world's favorite dreamhouse.

Artist/architect Frank Lloyd Wright (1869–1959) is one of the primal founders of modern architecture. He brought the harmonious horizontality of the Prairie Style and open planning to American home design, and created signature designed structures with unique solutions to large-scale civic and business applications.

Sited in a 5,000-acre nature preserve near Pittsburgh, Fallingwater summoned up the height of Wright's towering genius. He designed the house as organic architecture, uniting the structure in harmony with the hillside, expressed with the structural drama of horizontal planes floating over the cascading flumes of the small switchback waterfall.

The guided tour of the CD-ROM introduces you to the house from the surrounding forest and over the creek, cinematically moving through the exterior and interior spaces with the narrator relating the history of Fallingwater's conception, its organization and its character. A timeline highlights key moments in Wright's career. You can explore the house from nodes on the plan, or move through it room by room.

There are over thirty of the 360-degree Omniview PhotoBubbles here, which are like QuickTime VR navigable environments. Unlike QTVR documents, which are constructed from a stitched ring of still photos, PhotoBubbles are produced using a standard camera and a fisheye lens. Two opposite pictures are combined into one spherical, 360-degree photo. You can look up and down to a greater degree in a PhotoBubble than you can in QTVR. As in QTVR, you can zoom in and out, and there are hot spots that provide audio comments or links to adjacent spaces.

All this will serve you well as you savor all the details, art and original furnishings throughout the site and enjoy the logical sensuality of Wright's design for living well, in mind as well as in body, at Fallingwater.

Picasso: The Man, His Works, The Legend

As no doubt you have seen Apple Computer's ad campaign spot on TV urging you to "Think Different," surely you are already at work refreshing your memory about all those innovative (and Mac-centric?) personalities parading in the piece.

Top: art enthusiasts can learn more about Pablo Picasso's life in *Picasso: The Man, His Works, The Legend*. Below: Frank Lloyd Wright's masterwork, Fallingwater.

And since you are already in the swing of Thinking Different(ly), naturally you started not with Einstein, the first—but with Picasso, the last. Look no further than this CD-ROM: *Picasso: The Man, His Works, The Legend* (Grolier Interactive Inc., Mac/Windows, $39.99).

This lively and well-produced title is an exemplar of DifferentThink. If you were apprehensive about wading through yet another digital tome of shovelware, fear not. If anything, this is as close to action-adventure art as you are likely to get.

The disc does not present a catalogue raisonné of everything Picasso did. You would need a DVD for that. It does contain over 600 masterpieces from over seventy different museums

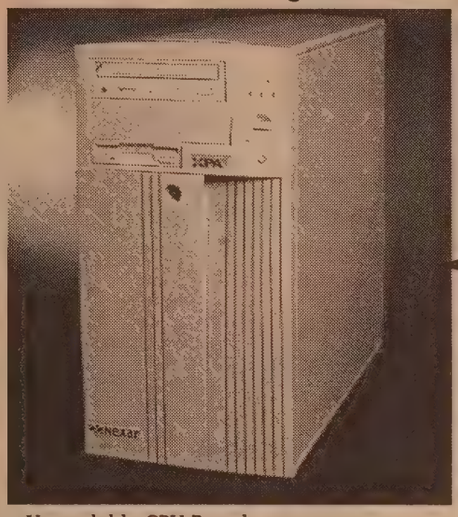
continued on page 100

Only One PC Can Stay with You Down Any Road–Nexar

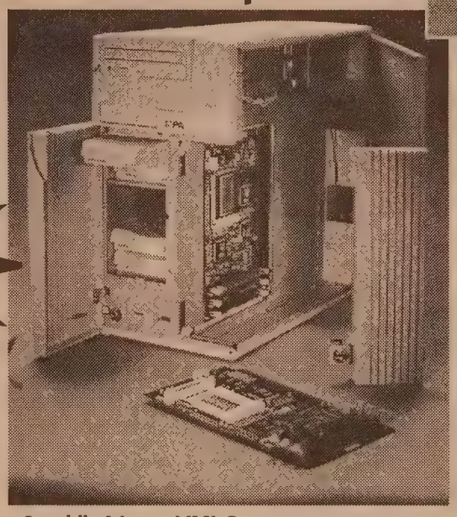
Nexar XPA PC System

Nexar Authorized Reseller

www.nexarpc.com



FREE 15" COLOR MONITOR w/System Purchase



- Upgradable CPU Board
- Upgradable to Dual Pentium® II/Alpha Processors
- Removeable Hard Drive (up to 6 Internal HDs)
- Straddle Mount NLX Connector
- System memory–3 DIMM Sockets (up to 768MB)
- Tri–lock System Secures CPU, I/O and Drive Storage

Nexar XPA PC Pentium® MMX

- Mid-Tower Case w/9 Drive Bays
- State-of-the-art Intel Chipset
- 512K Pipeline Cache Burst
- 32MB EDO 168-Pin DIMM
- 1.44MB Floppy
- 2MB S3 PCI Video accelerator
- 2.1GB EIDE HDD
- 16X EIDE CD-ROM
- 33.6 Fax/Modem w/MNP 2.5
- Voice Mail/Phone Ans./Telephony
- 4 PCI, 3 ISA Slots, EIDE, 2 USB
- 16-Bit Sound Card w/Stereo Amplified Speakers
- 104–Key Windows 95 Keyboard
- PS/2 Ergonomic 2-Button Mouse
- Microsoft Windows 95 CD
- 3-Year Warranty/1-Year On-Site

Nexar XPA PC Pentium® II

- Mid-Tower Case w/3 Locking "Easy-Open" Access Doors, Quick Upgrade & High Security, 9 Drive Bays
- State-of-the-art Intel Chipset
- 512K Pipeline Cache Burst
- 64MB DIMM
- 1.44MB Floppy
- 4MB PCI Video accelerator
- 4.3GB EIDE HDD
- 24X EIDE CD-ROM
- 33.6 Fax/Modem w/MNP 2.5
- Voice Mail/Phone Ans./Telephony
- 4 PCI, 3 ISA Slots, EIDE, 2 USB
- 32-Bit P-n-P Sound Card w/Stereo Amplified Speakers
- 104–Key Windows 95 Keyboard
- PS/2 Ergonomic 2-Button Mouse
- Microsoft Windows 95 CD
- 3-Year Warranty/1-Year On-Site

Intel 166MHz MMX	$1,299
Intel 200MHz MMX	$1,399
Intel 233MHz MMX	$1,499

*CPU Prices Subject to Change. Call for Latest Prices.

MS-OFFICE 97
CD-ROM PROFFESSIONAL EDITION
ONLY $189 w/PURCHASE OF ANY SYTEM

Intel 233MHz CPU	$1,899
Intel 266MHz CPU	$1,999
Intel 300MHz CPU	$2,199

*CPU Prices Subject to Change. Call for Latest Prices.

Call for complete product specifications. Custom configurations available. Call for the latest prices and availabilities.

Monitors

Aurora 15"	$225
Princeton 15"	$265
Princeton EO70-.28mm	Call
Pinceton EO74-.25mm	Call
Sony Monitors	Call
NEC	Call

Printers

HP DeskJet 870 CXi	Call
HP LaserJet 5L-FS	Call
Canon Printers	Call
Epson Printers	Call
Lexmark Printers	Call
Okidata Printers	Call

Networking

3Com 3C509 TPO	$69
3Com 3C905 100 Base PCI	$89
3Com Internet Hubs	Call
Intel Networking Products	Call
Adaptec 2940UW	$229
Adaptec 3940/3940UW	Call

Software

Microsoft Office 97 Pro	Call
Microsoft Publisher 97	Call
Microsoft Windows NT	Call
Microsoft Project 4.1	Call
Corel WordPerfect 7.0	Call
Novell Netware 4.11	Call

VGA Cards

Matrox Millennium II	Call
Matrox Mystique	Call
Diamond 3D Video Card	Call
Creative Lab AWE32 P-n-P	Call
Creative Lab AWE64	Call
US Robotics 56K Modem	Call

Price and availability subject to change without notice. Prices reflect cash discounts. Leasing options avialable. Not responsible for typos. All sales subject to Terms and Conditions of Sales.

BIS

Binary Information Systems
311 California St., Ste. 350,
San Francisco, CA 94104

Sales: 415.362.2474
fax: 415.362.2264
Hours: 9-6 M-F Sat by Appt.

BINARY INFORMATION SYSTEMS

STARLITE

WE WILL MATCH ANY PRICE • 100% FINANCING AVAILABLE (OAC)

EXTENDED WARRANTY ALSO AVAILABLE!

YOUR MOBILE NOTEBOOK SPECIALIST

Get a 3-in-1 Notebook for Travel, Home, or Office

MONTHLY SPECIAL

CHEM9750 12.1" DS/TFT 166MHz MMX
1.4GB 16MB ..... ONLY $1599/1999

KIWI 680CT 11.3" TFT 166MHz MMX
1.4GB 32MB ..... ONLY $1999

NOTEBOOKS

ACER EXTENSA 610CD P5-150 1.4GB DSTN $1799

ACER EXTENSA 670CDT P5-166MMX
2.1GB 12.1" TFT $3499

FUJITSU LITEBOOK 435DX P5-133MMX
1.3GB DSTN. $1799

FUJITSU LITEBOOK 545TX P5-166MMX
2GB 12.1" TFT $4099

HITACHI MX1661 P5-166MMX 2.1GB 12.1" TFT $3439

HITACHI VISIONBOOK PRO P5-166MMX 3GB TFT ... $4999

TOSHIBA LIBRETTO 50CT P5-75 ..... $1999

TOSHIBA PORTEGE 650CT P5-133 ..... $2899

TOSHIBA SATELLITE PRO 440CDT P5-133 ..... $2999

TOSHIBA TECRA 520CDT P5-166MMX $4399

TOSHIBA TECRA 740CDT P5-166MMX 3GB $5199

NETBOOK 6800 SERIAL

- Intel Pentium® with MMX Technology
- 512K L2 Pipeline Burst Cache
- 16MB of RAM Up to 72MB
- 1.4GB Removable Hard Drive
- 3.5" 1.44MB floppy Drive
- PCI 64 2MB EDO with 16M True Colors
- 20X EIDE CD ROM Drive
- 2 Type II & Type III PCMCIA Slots
- Touchpad Win95 Keyboard
- 16 Bit Sound Card w/Speakers
- Infrared FIR/RCA Jack For TV-Out
- AC Adapter, Carrying Case, NiMH Battery
- Microsoft Windows 95

Best Buy Included Windows 95 CD & Manual

	166MHz MMX	200MHz MMX	233MHz MMX
2.1" DSTN	$1599	$1749	$1879
12.1" TFT	$2099	$2149	$2279
13.3" XGA	$2649	$2799	$2929
14.1" XGA	$2799	$2949	$3079

14.2" XGA TFT UP TO 300MHz 5GB HDD
DVD ROM ZIP DRIVE LS-120
PRICES START AT $2899

NETBOOK TS758 SERIAL

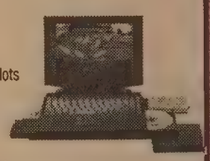
- Supports Intel Pentium® MMX Technology to 233MHz
- Support Intel Tillamook up to 266MHz
- Support AMD K6 Mobile up to 300MHz
- Intel 430TX 512KB L2 Pipeline Burst Cache
- 16MB EDO of SDRAM Up to 128MB(10NS)
- 1.44GB Removable Hard Drive up to 5GB
- Modular 1.44MB Floppy Drive
- Can install Zip Drive/LS-120/HDD/Battery
- PCI 64 4MB EDO VRAM
- Modular 20X CD–ROM Can Replace with DVD-ROM
- 2 Type II & Type III PCMCIA Slots
- Touchpad, Win95 Keyboard
- 16 Bit Full Duplex Audio with 1MB Wavetable
- Infrared FIR/RCA Jack for Video In/Out/Dual USB Port
- Smart Lithium-Ion Battery
- AC Adapter, Carrying Case
- Microsoft Windows 95

	166MHz MMX	200MHz MMX	233MHz MMX
13.3" XGA DS Color	$1999	$2099	$2199
12.1" TFT Active Matrix	$2249	$2349	$2449
13.3" XGA Active Matrix	$2869	$2999	$3099
14.2" XGA Active Matrix	$2899	$3199	$3299

12.1" TFT 16MB 1.44GB HDD 14X
CD-ROM 166MHz MMX Only $2099

NETBOOK 2600/2700 SERIAL

- Intel Pentium® with MMX Technology
- 256KB/512K L2 Pipeline Burst Cache
- 16MB EDO of RAM Up to 128MB
- 1.44GB Removable Hard Drive to 3GB
- 3.5" 1.44MB floppy Drive
- PCI 64 2MB EDO 16M True Colors
- 14X EIDE CD-ROM Drive
- 2 Smart Bays, Support 2nd & 3rd HDD
- 2 Type II & Type III PCMCIA Slots
- Touchpad, Win95 Keyboard
- 16 Bit Full Duplex Sound Card w/Speakers
- Infrared FIR/RCA Jack for Video Out/USB Port
- NiMH Battery (Li-ion for 2700)
- AC Adapter, Carrying Case
- Microsoft Windows 95
- AC Inside Adapter/Hot Docking



	12.1" Dual Scan	12.1" Active Matrix	14.2" Active Matrix
166MHz MMX	$1699	$2099	$2999
200MHz MMX	$1799	$2259	$3099
233MHz MMX	$1999	$2399	$3239

MONITOR

- 14" 1024x768 .28 SVGA NI $149
- 15" 1280x1024 .28 Digital SVGA NI $219
- 17" 1280x1024 .28 Digital SVGA NI $409
- IIYAMA MF-9017E 17" 1600X1280 .25 .... $639
- IIYAMA MF-8721E 21" 1800X1400 .22 ... $1399
- MAG 15" DX15T 1280X1024 .28 ..... $339
- MAG 17" DJ700 1280x1024 .26 ..... $529
- Sony 15" 100SX1/SF2 .25 ..... $329/369
- Sony 17" 200SX1/SF2 .25 ..... $599/669
- ViewSonic 15GS 15" 1280x1024 .28 ..... $319
- ViewSonic G771 17" 1280x1024 .27 .... $499
- ViewSonic PT770 17" 1600x1280 .25 ..... $629
- ViewSonic G810 21" 1600x1280 .25 ..... $1229
- ViewSonic PT815 21" 1800x1440 .25 .... $1459

HARD DRIVES/ FLOPPY

- 1.44MB/1.2MB Floppy $25/45
- 1.2GB IDE $119
- 2.6GB UDMA IDE FUJITSU $179
- 3.5GB/3.1GB IDE Fujitsu/WD $209/219
- 4GB/4.3GB IDE WD/Fujitsu/Maxtor $269/269/259
- 5.1GB/6.4 IDE WD $329/369
- Quantum 3.2GB SCSI $319
- Seagate 4GB SCSI/U-WIDE SCSI $749/789
- Seagate 9GB SCSI/U-WIDE SCSI ... $1309/1339

KEYBOARD/ MOUSE

- MITSUMI 104 Win 95 keyboard $13
- MS Natural Win95 Keyboard $59
- Ergo Natural Win 96 Keyboard $39
- Keytronic 104 Win 95 Keyboard $25
- Serial Mouse $6
- MS Serial Mouse $29
- Logitech Serial/PS2 Mouse $17/19
- Logitech Cordless MouseMan Pro $79

CASE/ CONTROLLER

- Mini/Desktop Tower 230W $25/30
- Med/Full Tower 250W $39/59
- ATX Mini/MID Tower 235w $79/99
- ATX Full Tower 235w $129
- Adaptec 2940/2940UW SCSI PCI $169/219

NETWORKS

- Ethernet Card ISA/ PCI (Combo) $19/25
- 8/16/24-Port Ethernet Hub $69/129/229
- 3C509 Etherlink III ISA TP/Combo ..... $59$79
- 3C905 TX PCI 10/100 TP $119

TAPE BACKUPS

- Colorado T-3000T 3.2GB Int. w/Tape $169
- Colorado T-4000T 8.0GB Int. w/Tape $349
- Iomega Zip Drive 100MB Ext/Int. ... $149/119
- Iomega Jaz Drive 1GB Ext/Int $439/359

NOTEBOOKS ACCESSORIES

HARD DRIVE

- 1.4GB $199
- 2.1GB $269
- 3.0GB $459
- 4.0GB(Ultra DMA) $559
- 5.0GB(Ultra DMA) $759

Memory ..... $Call

- PCMCIA 33.600 Fax/Modem $89
- PCMCIA 33.600 Fax/Modem w/Cellular $119
- PCMCIA 56K Fax/Modem $169
- PCMCIA Ethernet Card Combo $99
- PCMCIA Ethernet Card/33.6 Fax/Modem .. $199
- Port Replicator ..... $Call
- Lithium Battery $199
- NiMH Battery $99
- Auto Adapter $79
- AC Adapter $79

One-Year Part and Labor Warranty on Systems and Notebooks. Lifetime Hardware Phone Support. Up to 5-Year Warranty with 4-Years On-Site Service Start From $169.

*Discount Not Included Brand name Notebook and Special sale

CORPORATE AND GOVERNMENT PURCHASE ORDERS WELCOME

We'll match any price • Extended warranty available • 100% financing
WE DO REPAIRS & UPGRADE SERVICE
Come and visit our new showroom!

www.starliteco.com

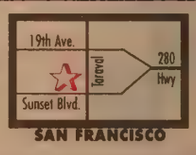
SAN FRANCISCO LOCATION

2121 Taraval Street, San Francisco, CA 94116

Tel: 415-665-9289 • Fax: 415-664-4018

Prices subject to change without notice. Not responsible for typographical errors. Credit Card prices are different from cash on systems and parts.

San Francisco Hours:
M-F 9-6 • Sat. 10-6



ELECTRONICS

One-Year Part and Five-Year Labor Warranty on Systems and Notebooks.
Lifetime Hardware Phone Support. Up To 5-Year Warranty with 4-Year On-Site Service Option.

STAR #1 NetSystems

- AMD/Intel Pentium Processor
- Triton VX 512K Pipeline Burst Cache
- 16MB of EDO RAM (32MB +$49)
- 1.2GB EDIE Hard Drive (10ms) BEST BUY
- 3.5" 1.44MB Floppy Drive
- Trident PCI 64 2MB DRAM
- 14" 1024x768 .28 NI Monitor (12.9." v.i.s.) MMX Technology
- Toshiba 24X IDE CD-ROM Drive Ready
- Yamaha 16 3D Sound w/100w Speakers
- 33.6K Fax/Modem w/Voice
- Microsoft Windows 95
- 104 Win95 Keyboard/Serial Mouse
- Mini Tower Case w/230 PS
- Free CD Grolier's Ency. 97

START@ $799

AMD K6-166MHz MMX $799
AMD K6-200MHz MMX $869
AMD K6-233MHz MMX $1069
Intel Pentium® 166MHz MMX .. $819
Intel Pentium® 200MHz MMX .. $899
Intel Pentium® 233MHz MMX .. $999

STAR #2 NetSystems

- AMD/Intel Pentium® Processor w/MMX
- ASUS TX97E 512K Pipeline Burst Cache
- 32MB of EDO RAM (64MB +$99)
- Fujitsu 2.6GB U-DMA Hard Drive (10ms)
- 3.5" 1.44MB Floppy Drive
- Diamond Stealth 3D 2000 4MB DRAM MMX Technology
- 15" 1280x1024 .28 NI Monitor (15.9" v.i.s.) Ready
- Toshiba 24X EIDE CD-ROM Drive
- Sound Blaster 16 Bit Sound
- 56K Fax/Modem w/voice
- Keytronic 104 Win95 Keyboard
- Logitech Serial Mouse/Pad
- Amplified 240w Speakers
- Microsoft Windows 95 CD
- Mid Tower Case w/250 PS
- Free CD Grolier's Ency. 97

START@ $1299

AMD K6-166MHz $1299
AMD K6-200MHz $1369
AMD K6-233MHz $1569
Intel Pentium® 166MHz $1319
Intel Pentium® 200MHz $1399
Intel Pentium® 233MHz $1499

STAR #3 NetSystems

- Intel 233MHz Pentium® II Processor MMX
- Intel Atlanta LX440 AGPset 512K L2 Cache
- 32MB of EDO ECC Memory (10NS)
- Fujitsu 3.5GB UDMA IDE Hard Drive
- 3.5" 1.44MB Floppy Drive MMX Technology
- NEW Matrox Mystique 220 4MB SGRAM Ready
- 17" 1280x1024 .28 Monitor (15.9" v.i.s .)
- Toshiba 24X IDE CD-ROM Drive
- Yamaha 16 Bit Sound w/100w Speakers
- Microsoft Windows 95
- Keytronic 104 Win95 Keyboard
- Logitech PS2 Mouse
- US Robotics 33.6 Fax/Modem
- ATX Mid Tower Case w/250 PS
- Free CD Grolier's Ency. 97

START@ $1899

233MHz $1899
266MHz $2029
300MHz $2249

STAR #4 NetSystems

- Intel 233MHz Pentium® II Processor MMX
- ASUS P2L97 Intel 440LX AGPset
- 512K Pipeline Burst Cache
- 64MB of 168 Pin EDO Memory (10NS)
- Western Digital 5.1GB Hard Drive
- 3.5" 1.44MB Floppy Drive
- Matrox Millennium II 8MB WRAM MMX Technology
- Sony 200sf 17" .25 Monitor (15.9" v.i.s 1280x1024 .25 max.res.) Ready
- Toshiba 24X EIDE CD-ROM Drive
- Sound Blaster AWE 64 Sound
- Microsoft Windows 95
- Keytronic 104 Win95 Keyboard
- Logitech PS2 Mouse
- US Robotics 56K Fax/Modem
- Yamaha M7 Speakers
- ATX Mid Tower Case w/235 PS

START@ $2699

233MHz $2699
266MHZ $2799
300MHZ $2999

MONTHLY SPECIAL

16MB EDO SIMM
$39

33.600 Fax/Modem w/ Voice
$39

56K Fax/Modem
$79

100W Speakers
$9

14" 1024x768 .28 NI Monitor
$139

2% DISCOUNT FOR CASH PURCHASES FOR ALL SYSTEMS AND NOTEBOOK *

MEMORY/ CPU

- 8MB/16MB/32MB/64MB EDO ..$23/45/85/299
- 8MB/16MB/32MB NP $29/55/109
- 16MB/32MB/64MB 168 Pin $59/99/299
- Intel Pentium® 166/200/233MHz MMX $139/229/319
- Intel Pentium® II 233/266/300MHz $429/559/789
- Cyrix 6x86-200+MHz MMX $139
- AMD K6-166MHz MMX $119
- AMD K6-200/233MHZ MMX $179/359

MOTHERBOARD

- ASUS P2L 97 440LX Pentium® II 233-333MHz $269
- ASUS Triton TX97 E 512K 75-233MHZ .. $159
- ASUS Triton TX97 XE 512K 75-233MHZ $165
- ASUS Triton VX97 512K 75-200MHz $99
- FIC VIA 1024K SRAM PCI 75-233MHz ..$119
- FIC Triton TX 512K PCI 75-233MHZ $99
- Intel Anchorage 430TX w/sound 512k ..$179
- Intel Atlanta LX440 Pentium® II w/Sound $289
- Triton VX 512K PCI 75-233MHZ $79
- Triton TX 512K PCI 75-233MHZ $99

MULTIMEDIA

- Yamaha 16 Bit 3D Sound Card $18
- Sound Blaster 16-Bit PnP/3D $45/49
- Sound Blaster AWE 64/Gold $85/179
- Mitsumi 8X IDE CD ROM $59
- Toshiba 24X IDE CD ROM $85
- 100W/240 Speakers $12/29
- Sony CD Writer (R6/W2) $309
- Ricoh CD Writer (R6/W2) $519
- Yamaha Speakers M7/M15 ..... $39/69
- Yamaha Speakers M25/M35/M45 ..... $99/129/169

FAX/ MODEM

- 33.6/56K INT w/ Voice $49/89
- Super 56K Int $99
- US Robotics Sporster 33.6 Int/Voice ..$79/99
- US Robotics Sporster 33.6 Ext w/Voice ..$119
- US Robotics Sporster 56K Int/Ext ..$139/179

VIDEO CARD

- Trident 9680 64 PCI 2MB MPEG $32
- ATI VideoBoost PCI 2MB $49
- ATI Video Xpression PCI 2MB $59
- ATI 3D Xpression+ PC1 TV4MB $99
- DIAMOND Stealth Video 2500 64 PCI 2MB .$39
- DIAMOND Stealth 3D 2000 64 PCI 2MB/ 4MB DRAM $69/89
- DIAMOND Stealth 3D 3000 64 PCI 2MB/ 4MB VRAM $109/149
- Diamond Stealth Fire GL1000 8MB(OEM) .$175
- MATROX Millennium II 4MB/ 8MB WRAM(Retail) $229/289
- MATROX Millennium II 4MB/ 8MB WRAM(OEM) $199/269
- MATROX Mystique 220 2/4MB SGRAM w/o Game $109/129
- MATROX Mystique 220 2/4MB SGRAM w/Game $129/149

CORPORATE AND GOVERNMENT PURCHASE ORDERS WELCOME

We'll match any price • Extended warranty available • 100% financing
WE DO REPAIRS & UPGRADE SERVICE
Come and visit our new showroom!

www.starliteco.com

FOSTER CITY LOCATION

1161 Chess Dr., Ste D, Foster City, CA 94404
Tel: 650-372-9289 • Fax: 650-372-9778

Prices subject to change without notice. Not responsible for typographical errors. Credit Card prices are different from cash on systems and parts.

Foster City Hours:
M-F 9-6 • Sat. 10-4

Internet Zap

2140 Peralta Blvd., Suite 211 • Fremont, CA 94536
Voice (510) 793-1845 • Fax (510) 793-1662

Sign Up Now & Get 2 Weeks FREE

All Accounts Include the Following:

- Unlimited Access at 33.6kp
- Low User-to-Modem Ratio
- Never a Busy Signal
- 45MB Space
- FTP, PPP, News, & WWW
- 24-Hour Tech. Support
- Accept MC, Visa, & Checks

Personal Accounts $19.95

- Unlimited PPP Access
- UNIX Shell/CGI
- E-mail Account
- World Wide Web Access
- Personal Web Hosting
- Personal FTP Site
- No Set-up Fee

Business Accounts $29.95

- Unlimited PPP Access
- UNIX Shell/CGI
- Disk Space 50MB
- World Wide Web Access
- Three E-mail Aliases
- Corporate Web Hosting
- Corporate FTP
- Set-Up Fee $20

Additional Accounts & Services

Family Plan $39.95 — Shell Account $14.95

Co-Location $200 — Virtual Domain $10

E-mail to: Sales@izap.com • www.izap.com

HEWLETT PACKARD digital COMPAQ sun microsystems

On-Site Printer, Computer, & Network Service

1 Hour • Most Repairs

- ☆ Quick Response & Service Time
- ☆ Complete Repairs
- ☆ Maintenance
- ☆ Warranty Service
- ☆ Upgrades
- ☆ Leasing
- ☆ Short-Term Rentals
- ☆ Serving the Entire Bay
- ☆ Service Center

Call Us, We're Different!

Since 1987

GIGABYTES

510-440-8032 Fax 510-440-9099
47061 Warm Springs Blvd., Fremont, CA 94539

apple Microsoft IBM TOSHIBA NOVELL

Visual Delights In CD-ROMs *continued from page 96*

and galleries, in addition to rarely seen works from private collections around the world.

The disc also contains 120 photographs of Picasso in his various studios, and QuickTime video footage and film extracts. Hours of original music and commentary are included, as well as a QTVR panorama introducing seventeen of Picasso's key period works, and a guided tour through his artistic periods. There is an excellent glossary and a timeline showing the relationship between landmark historic events and Picasso's art.

In his long and turbulent life, Picasso was so inventively prolific that you could easily divide up his works to represent the imaginary careers of a dozen different artists. GIE/Welcome, the French producers of this CD-ROM, designed it to dramatically reflect Picasso's dynamic complexity, with graphic treatments, animation and sound that is sometimes overwhelming—even as it is instructive and informative. Because of its handsome presentation and richly enlivened content, this title can be recommended for young people as well as for adults.

Vintage Photos

What better visual holiday cheer than this collection of 100 vintage photographs?

The Print Shop Photo Folios: Vintage Prints (Brøderbund, Mac/Windows, $14.95) presents a wonderful variety of royalty-free black

If you build it...

The World Wide Web is the fastest growing way for businesses to reach affluent computer users. With millions of technology enthusiasts and professionals using it daily, the Web offers you an incredible opportunity to promote your business internationally, capture prospect information, and update product information instantly. Most importantly, Cyberspace consumers are hungry for new products and services - so if you build a Web site, prospects will visit.

We are an advertising and marketing communications agency. To serve our clients, we create informative and exciting Web sites. We provide:

- Web Site Design and Content Development
- Site Hosting and Management
- Image Scanning
- Digital Video and Photography
- Digital Sound Files
- Interactive Forms and Database Integration
- Key Word Search and Feedback Forms
- CGI, HTML, JAVA, Shockwave, Perl Programming
- Web Page Usage Tracking (Visitor Statistics)

As a full service corporate communications agency, Web site design and management are right up our alley - so call us today to launch your business into the 21st century.

ウェブサイトの構築をお考えですか...

ワールド・ワイド・ウェブは、莫大な数のコンピュータユーザーに出会うためのビジネスを、最も効率よく拡大するための手段です。ウェブは、ビジネスの海外進出やリサーチ情報の取得、製品情報のいち早い更新といった、絶好の機会をあなたのビジネスに提供し、ハイテク好きの多くの人々や、プロフェッショナルが毎日これを使っています。なにより重要なことは、Cyberspaceの利用者達が、いつも新しい製品やサービスに飢えているということです。ウェブサイトを構築すれば、有望なお客様方が訪れることでしょう。

私どもは、広告とマーケティングの代理店です。情報を満載した魅力的なウェブサイトをお客様に提供しています。次のようなサービスをいたしております：

- ウェブデザインとコンテンツの開発
- サイトのホスト運営と管理
- イメージ スキャン
- デジタルビデオと写真
- デジタルサウンド ファイル
- 対話型フォームとデータベースの統合
- キーワード検索とフィードバック フォーム
- CGI、HTML、JAVA、Shockwave、Perlのプログラミング
- ウェブページ利用状況調査（訪問者の統計）

総合的なサービスを行うコミュニケーションの代理店として、ウェブサイトのデザインと管理はまさに私どもの専門分野です。あなたのビジネスを21世紀に向かって跳躍させるために、今すぐ 408.432.8878 までお電話ください。

API Communications & THE HUFFMAN GROUP

A Builder of Web Sites

510.226.6780

For Japanese call 408.432.8878

Value Net

Have fun! Get some work done!

Free Trial—No hourly charges—Great service—No hassles

Unlimited PPP Dial-up:

Value Net has unmetered PPP accounts, featuring FULL Internet access (WWW, E-Mail, USENET, IRC, etc.) plus 5Mb of space for personal web pages!

$20/mo., unlimited usage!

Value Rate ISDN:

Value Net presents **ValueRate ISDN**: 56K ISDN access for the same price as modem service. Get the speeds you once dreamed of at the price you can afford, only from **Value Net**.

$20/mo., unlimited usage!

The Webster Account

Value Net has the ideal account for businesses needing a presence on the Internet:

- unlimited PPP/Shell Internet access
- 40Mb web/FTP space
- Domain Service (www.yourdomain.com)
- E-Mail aliasing (xxxx@yourdomain.com)
- Full CGI scripting capabilities

All for just **$39 per month!**

Custom Business Solutions

Value Net can design the Internet access solution that is just right for YOUR business. Whether it's **LAN/Internet** connections, **Web design/publishing**, server **co-location** or simply office wide **E-Mail**, **Value Net** can design a solution that meets your needs and your budget!

Value Net

Toll Free Phone

1-888-90-VALUE

Value Net has local access numbers all over Northern and Southern California!

Value Net Internetwork Services

phone(510) 943-5769, fax(510)943-1708, http://www.value.net

K56 Flex

Acer 14" Demo SVGA $104
PENTIUM 66 CPU$ 29
2.5 GB Hard Dr $153

Buy & Sale PC Mac Auction

Availibility & Prices Subject to Change W/O Notice & Reflect Cash and Carry Discount

VIDEO CARDS & MONITORS
DIAMOND 64 SVGA $26
Cirrus Logic Trident SVGA
512 svga VLB COLOR.$15
EGA/CGA CARD..$35/15
Mono$12 15" Monitor 175
USed 14"20" SVGA Monitor$ 95/650
2gb scsi wIDE DR FROM ...$ 255
486/586 cpu FAN.. $ 4/4.1 gb ditto tape $69
4/6x cd SONY /panasonic CD ROM.From.....$36
SOUNDBLASTER 16 card $26.00

Notebook PC Repair and UPGrades
Best Service...:LOWest Prices
2.5 GB hard Dr ide --153
540MB Notebook WD$150
1/2/4 GB SCSI DR-$150up
420MB,80,130 IDE&SCSI
56/ 28.8 k/14.4 FAX/MODEM $80/46/22.00
ADAPTEC ...2940...PCI.....$157
Adaptec 1540CP/1542b-----140/95
CONTROLLER IDE/ESDI/MFM/SCSI

CPU'S & MATH - CO
WE WILL BEAT ANY CPU PRICE!!
We special on Hard to find parts !
486 dx4100Mhz 5V--.$45
ask Pentium Pro
pentiumm120/166$85/114
8087/287 MATH ...$ 16
387-SX-25 MATH-CO...$20
32k*8 -20 cache RAM--$2

Toshiba TECRA 510$2625
TI extensa 166mhz $1720
4x/24x cd ROM $37/ 76.00

Palo Alto Micro
http://WWW.
inetbiz.com/pam
E-mail: dpamc@aol.com

Main Board & Simm
Intel Atlantis Video /Audeo Video/Audeo
with 256k pipe line cache $184.00
486 / DX / DX2 M\B 256K cache..VLB.$42
486/ SLC2 / 66 MHZ w.VLB& CPU... $ 52
IBM Bliz 66/80 Mhz main board ---$52.00
486 DX-100/80 MAIN BOARD 72/30 PIN $ 44.00
1 MEG SIMMS - $4.50 256K SIMM 2.00
16 MEG SIMMS $36.50 4/8 MB SIMM 11/17
BEST PRICES ON ANY 4 MEG SIMMS - 30 PIN
INTEL CPU PULLER W \ BOX.....WOW! ..2.00

3483 EL CAMINO REAL
PALO ALTO, CA 94306
TEL:(415) - 493 - 8209
(415) - 493 - 7978
(415) - 493 - 8217
FAX:(415) - 493 - 4572

Visual Delights In CD-ROMs

continued...

and white images coming from the turn of the century to about the late '20s. You will find straight-ahead recordings of trains, planes and motorcyles, fashion, science, industry and the trades. There are portraits of family, children, couples and of cats and dogs. Theater is there with clowns and costumed opera and music performers. Turn-of-the-century populist surrealism rears its weird head with a baby hatching out of a shell and another in a tuba.

The unaccredited and anonymous snapshooters, journalists and documentarians that captured these pictures for all kinds of reasons

The Print Shop Photo Folios: Vintage Prints presents a wonderful variety of royalty-free black and white images coming from the turn of the century to about the late '20s.

have preserved priceless moments and charming nostalgia that you can repurpose in publications, graphic designs, cards, signage, invitations, ads and Web pages. The rich grayscale 72 dpi high-resolution images are in 16-bit PICT file format for Macintosh and 8-bit BMP file format for Windows. And, guaranteed—postmodern irony opportunities galore! ■

Copyright © 1997 by Tony Reveaux. All rights reserved.

Resources:

Brøderbund Software, Inc.
500 Redwood Blvd.
P.O. Box 6121
Novato, CA 94948-6121
(415)383-4400
URL: *http://www.broderbund.com/*

Interactive Pictures Corp.
(formerly Omniview)
1009 Commerce Park Dr.
Oak Ridge, TN 37830
1-800-916-6664
URL: *http://www.ipix.com/*

Grolier Interactive Inc.
90 Sherman Turnpike
Danbury, CT 06816
(203)797-3530
URL: *http://www.grolier.com*

Advertisement

Slipnet
Solutions

Advertisement

This Exciting Expo Will Rock Your Internet World

Go to this well known show and learn, save and put your hands on all kinds of state of the art software and hardware. Grab hold of the Computer Webolution at exciting Expo!

This show has grown in scope in recent months and many different entities in the internet arena have joined forces with this show.

Come and get information and save money. Meet Web Masters, talk with the Internet Cafe, attend seminars and get free Internet Access from companies like SlipNet.

Come to this show and see why Robert Austin Computer Shows have long been a favorite and how they are helping their customers succeed in the Computer Webolution.

Robert Austin

Presents the Bay Area's Largest

COMPUTER SHOW

& NEW INTERNET EXPO!

FREE ADMISSION • FREE ADMISSION

See More Internet Exhibits Than Ever Before!

Put Your Hands on the Internet Revolution at Our FREE Exposition

Visit Us on the Web or ~~AT THE SHOW:~~

Save 20% to 50% in Time and Money on your Holiday PC Purchases

go to www.tradespace.com

Sign-Up For a Drawing - Login to Find Out if You've Won!

Attend Special FREE Slip.net Internet Seminars

FREE* Internet Startup Kits with FREE Netscape Navigator™ & FREE Internet Access

San Francisco
COW PALACE
Saturday, November 22nd & December 13th

Oakland
OAKLAND CONVENTION CENTER
10th & Broadway
Saturday, November 29th & Saturday, December 20th

OUTRAGEOUS DEALS UNDER ONE ROOF!

- ➢Internet Education
- ➢Internet Service
- ➢See Hundreds of Displays
- ➢Buy at Wholesale
- ➢Software & CD ROM
- ➢Explore thousands of products

Get On VIP List

When you register at show be sure to give us your e-mail address and receive seminar schedules and save time by being pre-registered.

ALL SHOWS 10AM-4PM

* Limited to stock on hand.

Robert Austin Corporation

Computer Show Information Hotlines
For Show Dates and Locations 24 Hours a Day

Telephone:
1-800-243-7041

or visit our Web Page on the Internet
http://www.robertaustin.com

From Cossacks To Mir

Russians In Space, v2.1

By Mike Markowitz

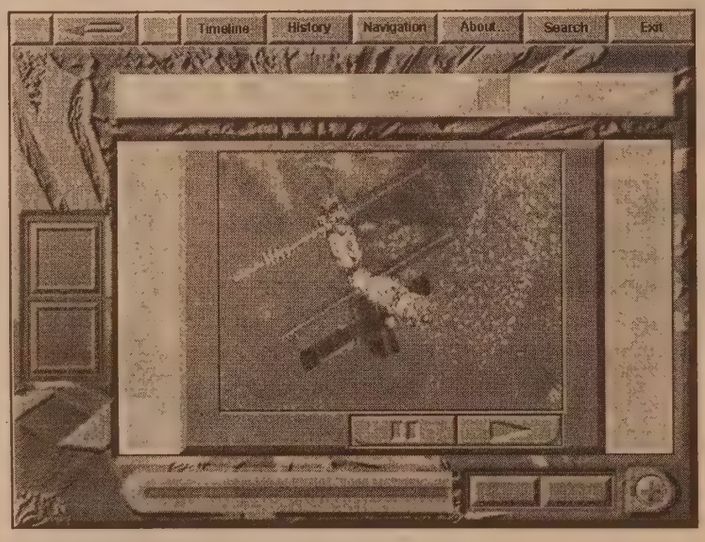
Much of what we thought we knew about the history of rocket science, space flight, and related technologies is wrong, or at least incomplete.

At least half this history is Russian, and for decades, formidable barriers of language, secrecy and Cold War paranoia made it inaccessible to most of us who still look to the stars with hope.

This eye-opening CD-ROM, a major upgrade of an English-language version that appeared two years ago, delivers a wealth of information, images and film clips that begin to fill some of the gaps in our knowledge of this important story.

Unlike many Western books and articles on the Soviet space program, this story is presented, with great pride, by Russians, in a uniquely Russian way. The English translation of the text is nearly flawless (all too rare in post-Soviet Russian imports) and the professional narration is free of distracting accents. The skill of Russian programmers is legendary; for decades they had to substitute creativity and hand-crafted code for raw processor power and memory space. It should not be surprising to see first-rate multimedia from a society that produced some of the greatest cinematic works of our century.

Russians in Space is easily installed under Windows 3.1, 95 or NT, if you follow the instructions without taking any shortcuts. A standard installer creates its own program group and icon on the Windows desktop, and gives you the option of installing QuickTime for Windows. The installer will over-write any later version of QuickTime—a minor irritation to most Windows users. The Mac version on the same disc requires no installation, you simply insert the CD and double-click on the appropriate program icon, depending on your system's CPU type and color depth. The program mainly runs from the CD-ROM, which holds over 562MB of graphics, audio, film clips, text and code. The program takes over the entire screen with its own quirky but charming interface.



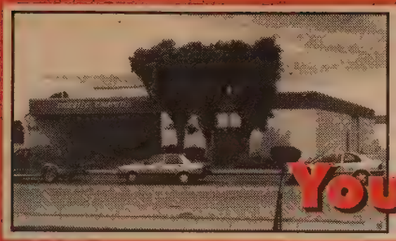
The space station Mir orbits above Earth in *Russians In Space, v2.1*.

Everything You Always Wanted To Know...

There are good navigation and search tools, and a vast network of links to explore. One of my favorites is the Time Line, which begins in 1516 with the first use of rockets by the Cossacks against the Turks. There is a useful search engine that will return a list of all items that contain a specific word. A "History" window keeps track of the last thirty screens viewed, and can be used to select a set of images for a presentation.

There are four main topical categories: People, Hardware, Projects and Basics. Within each category there are archives of text, still photos and video clips. There is a wealth of biographical material on people like Konstantin Tsiolkovsky, a visionary teacher who designed interplanetary rocket ships in the late 19th century, and Sergey Korolyov, the legendary "Chief Designer" who dreamed of spaceflight while overcoming tremendous technical and political obstacles to build ballistic missiles for the Cold War.

To my delight, I found that almost everything on the disc is completely accessible and reusable, if you are willing to search though directories of numerical filenames. Unfortunately, you cannot copy and paste the text (an undocumented feature in the previous version). All of the 400 still photos are in PIC format (Windows nomen-

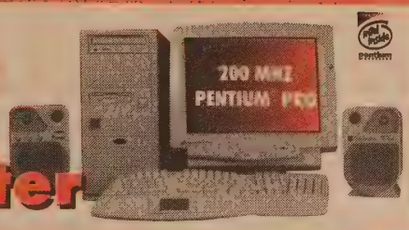


CHICOTEC

Your Complete PC Center

12 Years of Serving Business Community

Your System Upgrade Center



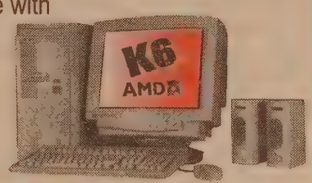
DUAL 200 MHz™ PENTIUM PRO SUPER SERVER

- Intel Providence PR 440 FX Dual Pentium Pro Motherboard
- Two Intel Pentium PRO 200 MHz Processor
- 64MB ECC Memory
- Integrated PCI Ultra wide SCSI Controller
- 4.5 GB Ultra Wide SCSI Hard Drive
- Super Sever Tower Case ATX
- 9 Front Accessible Internal 5 - 1/4" H.H. Bays
- 2 Internal 5 - 1/4" H.H. Bays
- Triple Fan Air Ventilation
- Two Redundant Hot - swap Pluggable Power Supply
- Maxi-Switch PS/2 Keyboard
- Microsoft Ergonomic PS/2 mouse
- TEAC 1.44 MB Floppy Drive
- Integrated Crystal CS 4236 Sound device
- 64 Bit PCI 2 MB DRAM video graphic
- NEC 16 X SCSI Internal CD ROM
- 60W Amplified Speakers
- Microsoft Windows NT 4.0 Workstation.

$3371 Model DPRO 2002

200 MHz AMD K6 MMX™ PERFORMANCE MULTIMEDIA

- AMD K6 - P200 MMX Processor
- Intel 430VX Chipset Motherboard
- 16 MB EDO 60ns RAM
- 512K Pigeline Cache
- 1.2 GB EIDE Hard Disk
- TRIDENT 9680 PCI 2 MB Video Card
- 1.44 MB Floppy Drive
- 20 X DIDE CD ROM
- ESS 16 PNP Sound Card
- 60W Amplified Speakers
- 104 Key Keyboard
- Microsoft Ergonomic Mouse
- Mini Tower Case with Power Supply
- Microsoft Windows 95

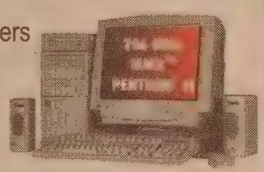


$778 Model K6P 200 CS

K6 - P166 MMX **$731** Model K6P166CS

266 MHz MMX™ PENTIUM® II SUPER POWER STATION

- Intel Portland PD 440 FX Motherboard
- Intel Pentium® II - 266 MHz Processor
- 512K L2 Cache
- MMX
- 32 MB ECC Memory
- ATX Midtower Case with 230 W Power Supply
- PS/2 Mouse & PS/2 Keyboard
- Mystique 3D PCI 2MB Video Card
- 1.44 MB TEAC Floppy Drive
- 4.1 GB EIDE Hard Drive
- 16 Bit Audio Device
- EIDE & 16550 I/O
- 20X CD ROM
- 60W Amplified Speakers
- Microsoft Window 95
- 17" Impression 1280 x 1024 SVGA Monitor add $495

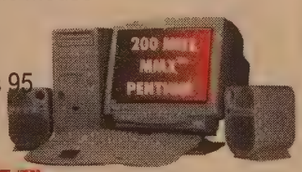


$1608 Model PII 266 CS

Pentium II - 233 $1464 Model PII 233 CS

200 MHz MMX™ PENTIUM® HOME STATION

- Intel Pentium® 200 MHz MMX Processor
- Intel 430 VX Chipset Motherboard
- 16MB EDO 60ns RAM
- 512K Pipeline Cache
- 1.2 GB EIDE Hard Drive
- Diamond Stealth 3D 3000 PCI 2 MB DRAM
- 1.44 MB Floppy Drive
- 20 X EIDE CD ROM
- Sound Blaster 16 PNP Sound Card
- 60W Amplified Speakers
- Maxi-Switch 104 Keyboard
- Microsoft Ergonomic Mouse
- Minitower Case with power Supply
- Microsoft Windows 95

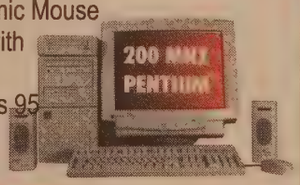


$871 Model PTM 200 CS

Pentium® 166 MMX **$786** Model PTM 166 CS

200 MHz PENTIUM® HOME MULTIMEDIA

- Intel Pentium® 200 Mhz Processor
- Intel 430 VX Chipset Motherboard
- 16 MB EDO 60 ns RAM
- 512K Pipeline Cache
- 1.2 GB EIDE Hard Drive
- Trident 9680 PCI 2MB DRAM SVGA Card
- 1.44 MB Floppy Drive
- 20 X EIDE CD ROM
- ESS 16 Bit PNP Sound Card
- 60W Amplified Speakers
- 104 Key Keyboard
- Microsoft Ergonomic Mouse
- Mini Towa Case with Power Supply
- Microsoft Windows 95



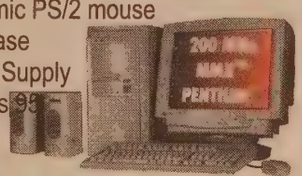
$805 Model PTB 200 CS

Pentium 166 **$772** Model PTB 166 CS

Pentium 133 **$734** Model PTB 133 CS

200 MHz MMX™ PENTIUM® SUPER MULTIMEDIA

- Intel Tucson Pentium PCI / ISA Motherboard
- Intel Pentium 200MHz MMX processor
- 32MB EDO 60ns PAM
- 512K pipeline Cache
- 2.5 GB EIDE Hard Drive
- Matrox Mystique 3D PCI 4MB Video Card
- 1.44 MB Floppy Drive
- 20 X EDIE CD ROM
- Integrated Yamaha 16 Bit YMF 701 Stereo
- 60W Amplified Speakers
- Maxi-Switch PS/2 Keyboard
- Microsoft Ergonomic PS/2 mouse
- ATX Mid Tower Case with 230W Power Supply
- Microsoft Windows 95



$1171 Model PIM 200 CS

Pentium 166 MMX $1086 Model PIM166 CS

CHICOTEC

Your Complete PC Center

542 West Trimble Road, San Jose, CA 95131

E-mail:: chicotec@ix.netcom.com

Tel: (408)954-8998

Fax: (408)954-1135

Mon - Fri: 9:00 am - 6:00 pm

- All prices are subject to change without notice.
- All returns are subject to 15% restocking fees.
- No refund after 30 days.

- Shipping, Insurance and COD charges are extra and non-refundable.

Corporate, Education & Government P.O.'s Welcome. Fax or e-mail for custom-configured system quotes.

VISA MasterCard

All trademarks are property of their respective owners. All rights reserved.

From Cossacks To Mir *continued...*

clature for Macintosh PICT), an excellent choice for cross-platform medium-resolution imagery. The 56 film clips are in QuickTime MOV format, which is readily portable. Quality of the video clips is often grainy; the design team, lacking sophisticated studio facilities and high-level official sponsorship, probably had to work from copies of copies. Still, it is amazing to finally see those long-suppressed film clips of Soviet rockets blowing up on their launch pads, just like ours.

The story of the Soviet space program is a bittersweet mix of triumphs, tragedies and lost opportunities. A long list of brilliant scientists and engineers were victims of Stalin's paranoia. For decades, every Soviet attempt to send a probe to Mars has been dogged by technical mishaps. The troubles of Mir, Earth's only manned space station, have been front-page news for months, although news reports fail to credit the courage and creativity of the cosmonauts and ground controllers who kept the battered spacecraft alive. The story ends with Buran, the Soviet space shuttle (in some respects, technically superior to our own shuttle orbiter) which now sits in storage, abandoned, and unlikely to ever fly again.

> The skill of Russian programmers is legendary; for decades they had to substitute creativity and hand-crafted code for raw processor power and memory space. It should not be surprising to see first-rate multimedia from a society that produced some of the greatest cinematic works of our century.

The story is all here on this handsomely packaged and professionally produced CD-ROM, just in time for the 40th anniversary of Sputnik I (launched October 4, 1957). Anyone with an interest in space exploration will enjoy exploring this package.

The US distributor, Ultimax, offers comprehensive technical support through its Web site, a low-cost upgrade to owners of the earlier version, and discounts to members of the Planetary Society and some other space-related organizations. A Russian-language version can also be ordered from the distributor. ■

Copyright © 1997 by Mike Markowitz. All rights reserved.

RESOURCES:

Russians In Space, v2.1
List Price: $29.95+s/h
CD-ROM for Windows and Mac (hybrid disc)
Published by: Aleksandr Kashchyev
Directed by: Vladimir Dolgov, Yuriy Demsenko
Distributed by: Ultimax
112 Mason Ln.
Oak Ridge, TN 37830-8631
(423)483-7097
URL: *http://www.catalog.com/ultimax*

HyperSurf Internet Services

1-Week Free PPP Trial!

Centrex ISDN • Frame Relay • Co-Location
POP's in Berkeley, Fremont, Hayward, Los Altos, Milpitas, Mt. View, Oakland, Pleasanton, San Francisco, San Jose, & Saratoga

PERSONAL ACCOUNTS
UNIX Shell
33.6 Dial-Up
E-Mail
News Feed
PPP Account
FREE Support
Internet Explorer
FREE Web Page
No Set-Up Fee
$19.99/mo.

BUSINESS ACCOUNTS
UNIX Shell
33.6 Dial-Up
E-Mail
E-Mail Aliases
News Feed
PPP Account
FREE Support
Internet Explorer
CGI Scripting
www.Your Name.com
20MB Storage
$35/mo.

ISDN 1B CHANNEL
UNIX Shell
E-Mail
News Feed
PPP Account
FREE Support
Internet Explorer
FREE Web Page
No Set-Up Fee
$39.99/mo.

WEB–HOSTING & DESIGN
Complete Site Hosting
CGI Scripting
www.Your Name.com
Tape Backup
Free Support
20MB Storage
T1 Access
$25/mo.
We Also Offer Site Design

DEDICATED CONNECTION
33.6 Dial-up
Centrix ISDN
Frame Relay 56K-T1
Technical Support Services for UNIX & Windows Available
Access to Our Mail Server Included
Prices Start at $119/mo.

CO-LOCATION
T1 Connection Speed
Locations Thoughout the Bay Area
Dial-Up Access Included
All Platforms Supported
Technical Support Services for UNIX & Windows Available
Access to our News Server Included
Access to our Mail Server Included
Prices Start at $299/mo.

HyperSurf Internet Services
Fremont 510-608-7873
San Jose 408-261-5959
Oakland 510-986-6767
Fax: 510-608-7878 www.HYPERSURF.com
e-mail: SALES@HYPERSURF.com

Thank you for Your Overwhelming Support. We are Pleased to Extend our Series of

SUPER SYSTEMS • SUPER DEALS

Intel AL440LX
Atlanta Motherboard
$189 (w/o Sound)
(w/Sound $208)

Intel TX430 Chipset
Motherboard - UDMA/33
$99 512K Cache
Quantity 10 $970

Adaptec
2940U **$162**
2940UW **$183**

Ultra DMA/33 Hard Drives
FUJITSU 3.5GB **$185**
FUJITSU 4.3GB **$235**
MAXTOR 8GB **$379**

Ultra Wide SCSI
Seagate
4.3GB ST34371W **$595**
9.1GB ST19171W **$995**
Quantum
4.3GB AT34550SW **$575**
9GB AL39100SW **$975**

Monitors
KDS/Hansol 17" .28 1280x1024
$397
VIEWSONIC G771 17" **$537**
SONY SF200 17" **$697**

233MMX™

w/ 17" Monitor, .28dp, 1280x1024,
24x CD ROM, 32MB EDO RAM
Intel TX430 UltraDMA/33 512K Cache,
3.5GB UltraDMA/33 HD,
56K X2/KB Flex Fax Modem
Multimedia Kit
$1595
Complete System

200MMX™ $1495 | **166MMX™ $1395**

- Intel Pentium® Processor w/ MMX™ Technology
- Intel 430TX Chipset with UltraDMA/33 Support
- 32MB EDO RAM, 60ns • 1.44MB Floppy Drive
- 3.5GB UltraDMA/33 Hard Drive 33MB/sec
  with 3 Year Manufacturer's Warranty
- 24x CD ROM Drive
- 17" .28dp 1280x1024 KDS/Hansol Monitor
- 56K X2/KB Flex Fax Modem • 2MB S3 PCI SVGA Video
- Yamaha 3D Stereo OPL3 Sound Card
- 60Watt Multimedia Speakers • Serial Mouse
- 104-Key Keyboard • Multimedia Microphone
- Deluxe Dual Fan Mid Tower Case UL PS
- MS Windows 95 CD • CD Titles • Mouse Pad
- All items brand new w/ Manufacturer's Warranty
- 3 yrs. Mftr's warranty on monitor • 1 Year System Warranty

PENTIUM® II SPECIAL

Same Configuration with Intel Pentium II Processor
Pentium II 233MHz **$1895**
Pentium II 266MHz **1995**
Pentium II 300MHz **2245**

Iomega ZIP Drive
Internal IDE
$96
Quantity 10 $950

3COM
3C905TX 10/100 Ethernet
$58
Quantity 20 $1140

Hewlett-Packard 670c
Color Printer **$199**

SONY Mavica
Digital Camera
$487 MVC-FD5

CD Recorder/Writer
SONY CDR 2x/8x **$349**
YAMAHA CDR 4x/6x **CALL**
RICOH CDRW **CALL**

Digital Cameras
KODAK • NIKON
OLYMPUS • RICOH
Please Call for Best Price

Notebooks
HP Omnibooks **CALL**
TOSHIBA Tecras **CALL**
IBM Thinkpads **CALL**
HITACHI/FUJITSU **CALL**

510-623-9125
408-263-9127

newriver
a division of USMACH
43102 Christy St. Fremont, CA 94538

415-952-5887
650-952-5886

Fax: 510-623-9145
61A Airport Blvd., So. San Francisco, CA 94080
Email: newriver@usmach.com

Price & availability subject to change. Not responsible for typographical errors. Pentium® & MMX™ are registered trademarks of Intel Corp. All other trademarks & logos are the property of their respective owners.

THE BEST PRICE IN TOWN!

MMX 586 Pentium®

233MHz.....$485
200MHz.....$405
166MHz.....$320

- Intel Pentium® MMX CPU
- Heat Sink & CPU Fan
- 0MB Expandable to 128MB on Board
- Intel Triton Chipset w/256K Pipeline Cache
- 1.44MB Floppy Drive
- Enhanced IDE w/16550 I/O
- Tower or Desktop Case w/Power Supply
- 104 Enhanced Keyboard

586 Pentium®

200MHz.....$390
166MHz.....$315
150MHz.....$290

- Intel Pentium® CPU
- Heat Sink & CPU Fan
- 0MB Expandable to 128MB on Board
- Intel Triton Chipset w/256K Pipeline Cache
- 1.44MB Floppy Drive
- Enhanced IDE w/16550 I/O
- Tower or Desktop Case w/Power Supply
- 104 Enhanced Keyboard

586 Pentium®

133MHz.....$290
120MHz.....$290

- Intel Pentium® CPU
- Heat Sink & CPU Fan
- 0MB Expandable to 128MB on Board
- Intel Triton Chipset w/256K Pipeline Cache
- 1.44MB Floppy Drive
- Enhanced IDE w/16550 I/O
- Tower or Desktop Case w/Power Supply
- 104 Enhanced Keyboard

*Prices do not include Hard Disk, Display or RAM

Optional For Systems

PCI SVGA Card 1MB/2MB $30/40
15" SVGA Monitor w/2MB PCI Card $270
Non-Interlaced SVGA Monitor (1024x768, .28) w/VESA/PCI SVGA Card 1MB $200

1.2GB.....$130
1.6GB.....$140
2.1GB.....$170
2.5GB.....$190
3.1GB.....$200
4.3GB.....$265

686 Pentium® Pro

200MHz $750
180MHz $490

- Intel CPU
- 256K CPU Cache
- Heat Sink & CPU Fan
- 0MB Expandable to 256MB on Board
- 1.44MB Floppy Drive
- Enhanced IDE w/16550 I/O
- ATX Mid-Tower Case
- 104 Enhanced Keyboard

MMX 686 Pentium® II

300MHz $1120
266MHz $870
233MHz $760

- Intel CPU
- 512K CPU Cache
- Heat Sink & CPU Fan
- 0MB Expandable to 128MB on Board
- 1.44MB Floppy Drive
- Enhanced IDE w/16550 I/O
- ATX Mid-Tower Case
- 104 Enhanced Keyboard

K6 AMD

233MHz $5
200MHz $3
166MHz $3

- AMD CPU
- Heat Sink & CPU Fan
- 0MB Expandable to 128MB on Board
- Intel Triton Chipset w/256K Pipeline Cache
- 1.44MB Floppy Drive
- Enhanced IDE w/16550 I/O
- Tower or Desktop Case w/Power Supp
- 104 Enhanced Keyboard

*Prices do not include Hard Disk, Display or RAM

BELMONT SYSTEMS INC.

(Belmont Computer Products)

1509 Industrial Road, San Carlos, CA 94070

NEW LOCATION Bigger facility to serve you better!

(650) 598-905
FAX (650) 598-0186
Store Hours: M-F 9-6
Saturday 10-3

PRICE IS NOT ALL WE OFFER:

EST QUALITY • STRONGEST SUPPORT STAFF • 10 YEARS BUSINESS EXPERIENCE

UPGRADE & REPAIR

For All Brand PC & Compatibles

- Free estimates
- No appointment required
- Same day turnaround

NOVELL

Sales...
Custom Design Service...
Installation and Maintenance...
Extended Software Support...

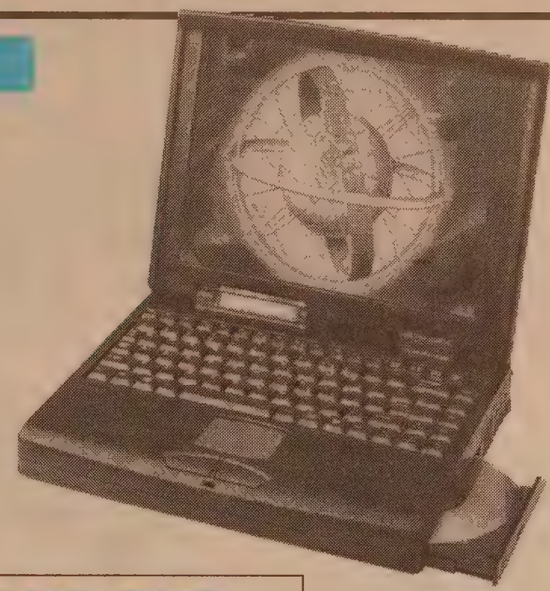
Available through

STEPFORD
1-800-HLP-U-NET

Notebook

- Intel Pentium CPU
- 16MB RAM
- 1.4 GB Harddisk
- 256K Pipeline - Burst Cache
- 3.5" 1.44MB FDD, Exchangeable w/ optional secondary battery
- 20X CD-ROM
- 2MB PCI Video RAM
- 16 Bit Sound Card w/ speakers
- 3 Type II or 1 Type II & 1 Type III Slots
- NiMH Battery, AC Adapter, Carrying Bag

Optional: 2.1GB Add $85
32MB Add $85
33,600 Fax Modem Add $95



	12.1" Dual Scan	12.1" Active Matrix
150MHz	$1,650	$2,050
166MHz	$1,680	$2,080
200MHz	$1,790	$2,190
166MMX	$1,680	$2,080
200MMX	$1,790	$2,190

INTERFACE CARDS

Mono Graphic Card	$15
Trident SVGA w/1MB RAM	45
VESA SVGA Card 1MB/2MB	45/55
PCI SVGA Card 1MB/2MB	45/55
Diamond Stealth 64 PCI 2MB/4MB VRAM	95/135
Diamond Stealth 64 PCI 1MB/2MB DRAM	60/70
Diamond Stealth 3D 2000 PCI 2MB/4MB	70/95
Diamond Stealth 3D 3000 PCI 2MB VRAM	110
Diamond Stealth 3D 3000 PCI 4MB VRAM	155
Matrox Mystique 2/4MB	105/130
Matrox Millennium II 4MB	CALL
IDE Card w/Cable	15
IDE I/O w/16550 UART	35
Adaptec 1522	90
Adaptec 2940 PCI SCSI	180

Free Installation w/Any Parts Purchased

HARD DISKS

1.2GB	$145
1.6GB	155
2.0GB	185
2.5GB	205
3.1GB	215
4.3GB	280
2.0GB SCSHI	260
4.0GB SCSHI	450

MOTHERBOARD

586-233MHz w/Intel MMX CPU & Fan	$405
586-200MHz w/Intel CPU & Fan/MMX	325
586-166MHz w/Intel CPU & Fan/MMX	240
586-150/133/120MHz w/Intel CPU & Fan	210
K6-233/200/166MHz	460/290/235

SOUND CARDS

16-Bit Sound Card	$35
Sound Blaster 16	60
Sound Blaster AWE 64	95

KEYBOARDS

101 Enhanced Keyboard	$15
Keytronic 104 Key	30
Maxiswitch 101 Key	30

FLOPPY DRIVE

TEAC/Mitsumi 1.2MB	$45
TEAC/Mitsumi 1.44MB 3.5"	30

MISC.

230W Power Supply	$35
Logitech Mouse Man	30
Logi Trackman	65
DFI Mouse (3 Button, Microsoft Comp.)	15
Mini Vertical Case w/PS	45
Med Vertical Case w/PS	65
Full Vertical Case w/PS	85
3.2GB Tape Drive w/TR-3 Cartridge	175
Iomega Jaz SCSI 1.0GB Int.	295
Iomega Jaz SCSI 1.0GB Ext.	375
Iomega Jaz Dr. 1.0GB Cartridge	85
Iomega Zip Dr. 100MB Int.	120
Iomega Zip Dr. 100MB Ext.	145
Iomega Zip Dr. 100MB Cartridge	15
16-Bit Ethernet Card	25
3COM 3C509	60
3COM 3C905 10/100	75
Intel Ether Express 16	70
Intel Ether Express Pro 100	70
RAM DIP/SIPP/SIMM	Call

Free Installation w/Any Parts Purchased

CD-ROMS

8X/16XI	$75/85
20XI/24XI	$90/100
8XI/12X/16XI SCSI	$120/125/130

MODEMS

33,600 Fax/Modem V.34	$70
33,600 Fax/Modem Ext V.34	90
56K Fax/Modem	105
US Robotics 33,600 Sportster Int	100
US Robotics 33,600 Fax Modem w/Voice	110
US Robotics 56K Int.	155
US Robotics 56K Int. w/Voice	165
US Robotics 56K Ext	195

MONITORS

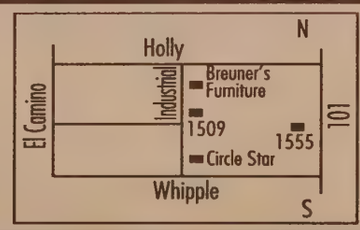
14" Non-Interlaced	$180
15" NI 1280x1024 .28	240
Sony 15" 1280x1024 .25	375
Sony 17" 1280x1024 .25	610
17" NI 1280x1024 .27	440
Viewsonic G771 V7 1280x1024 .27	530
Viewsonic 17GA	595
Viewsonic 17PS 1600x1280 .25	650

ERMS AND CONDITIONS:

Company, Government POs Welcome
UPS Shipping Daily
Prices and contents subject to change w/o notice.
Brand names are registered trademarks.
Term on Credit approval.

Welcome to visit our showroom!
Computers, Systems
are now on display!
Prices reflect Cash Discount.

Located in the
San Carlos Commerce
Center Office Park



No Passport Required

Holiday Shopping In Europe At e-Christmas' Multinational Mall

By Cassidy F. Allen

Much has been made of the coming day when Web sites will replace physical storefronts in the marketplace; according to industry evangelists, in the near future traveling to Target or Macy's to purchase a shirt or tea kettle will be unnecessary, as a Web browser will make shopping more convenient. This day has yet to arrive, and there are some critics who provide strong arguments that it never will—after all, why order a shirt through the Internet when you can drive down the street and have it right now?

But there are legitimate retail uses for the Internet, as demonstrated by e-Christmas *(http://www.e-christmas.com)*, a site launched on November 3 by a coalition of sponsors ranging from Hewlett-Packard to UPS. At first glance, e-Christmas is not a particularly revolutionary Web site concept; basically an electronic mall, e-Christmas features approximately 150 retailers and merchants interested in using the Internet to reach more customers during the holiday season.

What distinguishes e-Christmas is that it features exclusively European merchants and European products. From well-known merchants such as Hamleys of London and Burberrys to small father-and-son woodcarving operations in Switzerland, e-Christmas collects European retailers small and large at a central location to provide Web shoppers with something different from what the local mall can offer.

"In general, the products offered by some of our smaller merchants will be especially unique, because many of them have limited, if any, distribution in the US," Davis Fields, e-Christmas' project manager, says. "As to whether the average consumer will buy the products we're offering, just look at the European clothing, footwear, tableware, cosmetics, toys, food, etc., that people buy every day and you'll see evidence of Americans' interest in European products."

It's A Small World After All

True to its European origins, the e-Christmas home page offers the choice of browsing the site in several different languages: Dutch, English, French, German, Italian, and Spanish. Shoppers are then given the opportunity to fill out an electronic demographic questionnaire which e-Christmas uses in conjunction with its search engine to find products and merchants that the shopper might find interesting. Shoppers can also use the search engine directly to seek out what they are looking for. When a product is ordered, e-Christmas manages international currency conversion and the often confusing shipping/importing details, then provides the customer with a comprehensive total. VISA and Eurocard-MasterCard are accepted by all the participating retailers; upon payment, the gifts are delivered via UPS.

"We're ready to ship products to virtually anywhere in the world," Fields says. "We expect, because most of the world's online citizens in 1997 are in the US, that most of our visitors and purchasers will come from the US as well, probably 70-80%."

Despite the expectation that the US will do the lion's share of purchasing, e-Christmas was not created solely with the American public in mind; rather, the site is considered by its creators as an "initiative" and was designed mainly as a concrete answer to the European Commission's challenge to raise awareness of the electronic commerce potential of the Internet for Europeans, as well as to help European businesses keep up with the US and other countries which have spearheaded retail storefronts on the Web.

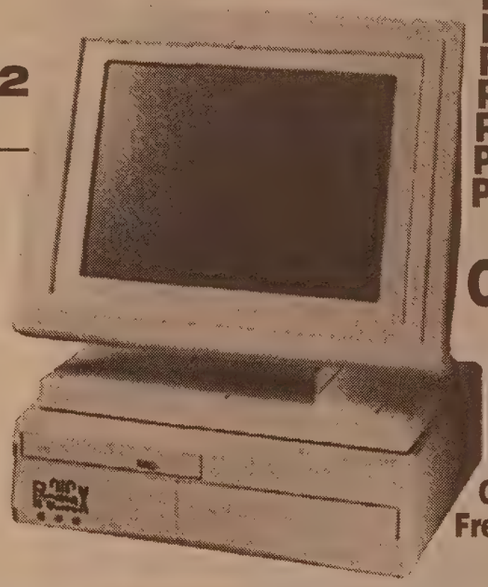
"e-Christmas is an investment by the sponsors and other participating countries in the future of e-commerce in Europe," Fields says. "e-Christmas was first imagined in June of this year, with the first real work taking place in

PromoX: Your Internet / Windows / Unix Solution!

WE ARE THE PIONEER OF LINUX SINCE 1992! CALL US FOR LINUX SOLUTIONS!!

✓ LINUX/BSD
✓ SOLARIS/SCO UNIX
✓ WINDOWS NT/95 OS/2 SYSTEMS

Intel Chipset M/B w/512K Cache
32MB EDO Memory
Teac 1.44 MB FDD
Mid Tower Case w/250W PS
Diamond Stealth 64PCI w/2MB DRAM
24X EIDE Inter. CD-ROM
2GB EIDE Int. HD
Keyboard & Mouse
33.6K Internal Fax Modem Or 10/100 Ethernet Card



Pentium® 150	$848
Pentium® 166	$878
Pentium® 200	$969
Pentium® 233 w/MMX	$1058
Pentium® II 233	$1385
Pentium® II 266	$1505
Pentium® II 300	$1759

O.S. OPTIONS

Windows 95/NT	add $90
4.0/NT	add$195
4.0 Server	add $485
RedHat Linux 4.2	$55
Caldera OpenLinux	$65
Free BSD Slackware	$25

SPARC Compatible Workstation

64MB RAM, 2GB SCSI Hard Drive, 15" Color Monitor, Type 5 Keyboard, Mouse, 1.44 FDD, Solaris 2.5, Super VGA Frame Buffer

USII 300 w/2MB Cache	$14108
USII 200 w/1MB Cache	$11403
USII 170 w/512K Cache	$9603
USI 200 w/512K Cache	$7165
USI 170 w/512K Cache	$5870
HSS 20/200 w/512K Cache	$8943
HSS 20/2x150 w/512K Cache	$8743
HSS 20/150 w/512K Cache	$6091
TS 5/170	$4748
SS 5/110	$3925
SS 5/85	$3825

We Offer Custom Configurations & Financing

Pentium® Multimedia Notebook (Chembook 9750)

14.1" TFT SCREEN

- Intel Pentium® Processor up to 233MMX
- 16MB EDO RAM
- 256K L2 Cache
- 12.1" Dual Scan - 14.1" Active Matrix Display
- PCI Windows Accelerator w/2MB RAM
- 1.4GB Hard Drive
- 3.5" Floppy Drive
- 20X CD-ROM
- 2 PCMCIA Type II or 1 Type III Slots
- 16-Bit Stereo Sound
- Video Capture
- AC Adapter & Carrying Bag
- Linux 2.0 +$50
- Win 95 +$90
- O.S. Options

	150MHz	166MHz	200MHz (MMX)	233MHz (MMX)
12.1" Dual Scan	$1638	$1668	$1768	$1868
12.1" TFT SVGA	$2218	$2249	$2349	$2459
13.3" TFT XGA	$2689	$2718	$2818	$2918
14.1" TFT XGA	$2908	$2979	$3079	$3179

Networking

Netware 4.0 (5/10/50/100)	BEST PRICE
NE-2000 Compatible Ethernet Card	$25
PCI Bus Ethernet Card	$70
10 BaseT 8/16 Port Hub	$85/195
SMC 16-bit (Coax/10BaseT)	$79
3 Com 3C509 Ethernet III (Combo)	$89
Livingston Router	CALL
Ascend Router	CALL
Terminal Server	CALL
Motorola Ext ISDN Modem w/NTI	$290
Moxa 8 Port Async, 16550 UART, DB25 Card	$175
Moxa C320 Exp. 8 Port Card	$595
Moxa C320 Exp. 16 Port Card	$695
Cyclade 8YS 8 Port Card	$124
Cyclade 8YO 8 Port Card	$250
Boca, Digiboard & More	Call

Alpha Processor Systems

Runs On Windows NT, Linux or OSF Unix

• 64 MB RAM •2GB SCSI Hard Drive • 1.44 Floppy Drive • 8X SCSI CD-ROM • Tower Case w/300W Power Supply • Diamond Stealth 64 PCI, 1MB VGA Card • SCSI-II Controller • PS/2 Type Keyboard • Logitech PS/2 Mouse

Alpha 533MHz w/2MB Cache	$4679
Alpha 500MHz w/1MB Cache	$3703
Alpha 433MHz w/1MB Cache	$3185
Alpha 366MHz w/1MB Cache	$2871
Alpha 300MHz w/2MB Cache	$2367
Alpha 275MHz w/512K Cache	$2167

Choice of Preinstalled Operating Systems

Windows NT 4.0 Station/Server	$225/495
Linux (Red Hat) 2.0	$95
DEC Unix License & Media	CALL

FX32 Driver Available for MS Office Pro 97

Wireless Internet Solutions with Firewall Protection

No More Telephone Charge & On-going Fees
Wireless Connection VS. Wired Link
(Compare to Save)

Speed	Setup & Installation	Equipment	Monthly Charge
128K	$1500	$6000	$600
384K	$1500	$6000	$1000
Wireless T1	$1000	$0	$400

WIRELESS INTERNET HOT LINE: 408-328-0588

PromoX Systems Since 1990

Tel: (408) 733-2966
Fax: (408) 733-2968 • Tech: (408) 733-2980
E-Mail Tech Support: tech@promox.com Sales: sales@promox.com
1008 Stewart Dr., Sunnyvale, CA 94086

Corporate, Gov't, Education PO's Welcomed
Hours: Mon-Fri 9-6, Sat 12-4
Home Page: http://www.promox.com

Some Of Our Satisfied Customers

❖ AMD ❖ Cadence ❖ Ford ❖ Fujitsu ❖ IBM ❖ Lockheed ❖ Quantum ❖ McDonald Douglas ❖ Microsoft ❖ NEC ❖ San Jose State ❖ Santa Clara Univ. ❖ Stanford Univ. ❖ UCSC ❖ US NAVY

• Prices Subject to Change w/o Notice
Pentium is a registered Trademark of Intel Corp.
Sparc registered Trademark of Sparc International Inc.

No Passport Required *continued...*

July. Our base assumption in inventing e-Christmas was that the merchant had no pre-existing Web site. We developed templates into which a merchant or local software developer can easily pour a merchant's product information and images, so no actual programming is required."

Getting On The Bus

A highly sophisticated area, Europe is the seat of much of the world's technological innovation: From France's "baby Internet" Minitel developed ten years ago, to British Telecom's and France Telecomm's easy-to-use, surcharge-free "smart cards" for use in pay phones, Europe has continually been a leader in communication and technology development. Nevertheless, Europe lags behind the US in terms of Internet usage and overall acceptance of the PC; Fields estimates European PC/Internet usage is at approximately the same level the US was at in 1995.

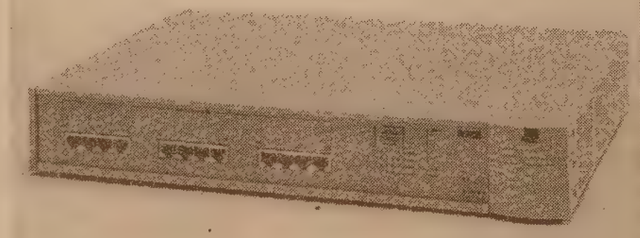
"There are lots of statistics; the one that sticks in my mind is that 2% of European households have Internet connections, compared to 14% in the US," Fields says. "There are similar gaps in the use of PCs in homes as well as in business, and a similar, if not larger, gap in the use of electronic commerce. Part of the problem is therefore lack of familiarity with the Internet; in parts of Europe there's a 'Big Brother' fear; there's more concern there than there is here about computers replacing people in the workplace. The PC revolution, and the Internet revolution that followed, have not happened in Europe to a great extent."

By creating e-Christmas, the sponsors hope to expose European merchants to the potential benefits of e-commerce and, in so doing, dispel fears and unfamiliarity. Simply put, in a global marketplace, change is the only constant, and the Internet is the new tool for

By creating e-Christmas, ***the sponsors hope to expose*** European merchants to the ***potential benefits*** of e-commerce and, in so doing, ***dispel fears and unfamiliarity.*** Simply put, in a global marketplace, change is the only constant, and ***the Internet is the new tool for business.***

THE MOST POPULAR 10/100 SWITCH ON THE MARKET JUST GOT BETTER!

SuperStack® II Switch 3000 10/100



PRICE REDUCED TO $ 2,099

INCLUDES A *FREE* 3COM FAST ETHERLINK PCI 10/100 LAN CARD!
ONLY FROM **FASTLINK NETWORK PRODUCTS!**

- ✓ Connects Ethernet and Fast Ethernet devices while providing high performance, low cost, ease of use and flexibility
- ✓ Alleviates server bottlenecks users are experiencing at the desktop
- ✓ Gives you a choice of powerful SNMP based management applications and can be managed by Transcend Network Manager
- ✓ Protection against packet loss under heavy load conditions with Intelligent Flow Management control
- ✓ Supports up to 8160 MAC addresses
- ✓ Provides Full-Duplex transmission on high speed ports supporting distances up to 2 kilometers for campus networks
- ✓ Flexibility and scalability with support for 10/100/1000 Mbps
- ✓ An optional module provides an additional high-speed Fast Ethernet (fiber or copper), ATM, or Gigabit Ethernet connection
- ✓ Seven RMON Groups supported on all ports
- ✓ Resilient Links ensure fault tolerance
- ✓ Spanning Tree support provides an alternative to Resilient Links

FastLink Network Products
1-800-788-LANS

3Com SUPER STACK.

FREE Windows Based Catalog Now Available

FastLink Network Products

Network Products for Less!

VISA MasterCard AMERICAN EXPRESS Cards Welcome

10 Base-T Twisted Pair Ethernet

3COM 3C509B-TP0 Single/5/20-Pk 60/283/1,049
3C509B TP&BNC/5/20-Pk 72/341/1,299
3C529B TP/ MCA/5-Pack/30Pk 230/987/5,480
3C900-TPO/5PK/20PK 94/410/1,472
ADAPTEC ANA-6904 10BTX PCI 4-Port 497
INTEL EE Pro/10+ w/o Flash TP/5-Pk 57/264
EE Pro/10+ w/o Flash 20-Pk/80-Pk 956/3,630
SMC EtherEZ 10BT Single/5Pk 75/269
EtherEZ 20-Pk/50-Pk 1,206/2,629
EtherEZ Combo/5Pk/20Pk/50Pk 118/521/1,801/4,011

Fast Ethernet 10/100 MegaBit Cards

3COM 3C515 Etherlink 10/100 ISA Single/5-pk 162/770
3C515 Etherlink 10/100 ISA 20-pk 2,841
3C905TX Etherlink XL 10/100 PCI Single/5-Pk 85/455
3C905TX Etherlink XL 10/100 PCI 20pk/60pk 1,700/4,779
3C597 10/100BaseT EISA/5-Pk 246/1,187
ADAPTEC ANA-6944A/TX 100BTX PCI 4-Port 829
AsanteFAST 10/100 PC & MAC PCI/5-Pk 202/970
COMPAQ Netelligent PCI 2 port 10/100 295
FARALLON PN990 NUBUS/PN994 PCI 245/140
INTEL EExpress Pro 10/100 PCI/5-pk 87/414
EExpress Pro 10/100 PCI 20Pk 1,447
EExpress Pro 10/100 EISA 260
EExpress Pro 100 PCI Server card/5pk 511/2,373
OLICOM OC-2335 MCA 10/100 Fast Ethernet Card 240
SMC 9432 PCI Single/5/20/50Pk 89/420/1,620/3,604

Fast Ethernet Hubs

3COM OfficeConnect 3C16720 8 100TX ports 737
3COM 3C250B-TX 12 100 BASE TX Stackable Hub ... 1,226
12-pt Dual Speed 10/100 Hub/24 Pt 1,226/1,933
ASANTE AsanteFast 12-pt 100 BaseT Hub 1,000
Friendlynet 16 100BTX 1,016
CISCO Fasthub 16 100BTX 828
COMPAQ Netelligent 1000 100BaseTX 8-port Hub 809
Netelligent 1124 24 port 100BaseTX Hub 1,462
Netelligent 1224 24 port Dual Speed Hub 1,736
HP AdvanceStack 12 100BTX/with MGMT 1,026/2,052
INTEL Express 8 port stand alone hub 100BaseTX 480
Express 10/100 Bundle(1 Hub, 10 Cards) 1,708
Express 10/100 Stackable Hub 12-pt/24-pt 1,135/1,776
MICRODYNE Eagle Century 6 Pprt 100BaseTX hub 364
NETGEAR FE104 4 100BTX/FE108 8 100BTX 192/385
FE508 8 100BTX Stackable/FE516 16 100BTX .. 590/1,034
SMC EZ Hub 100 8-pt 100BTX Hub 487
TIGERSTACK 100 12-pt 100BTX SMC5312TX 1,140
TIGERSTACK 100 24-pt 100BTX SMC5324TX 1,821

Token Ring

3COM 3C319 TokenLink Velocity Single/5-Pk 218/1,050
3C339 Tokenlink Velocity PCI TR Single/10-pk 274/2,323
IBM Turbo TR 16/4 Type1/ 3 Single 216
Turbo TR 16/4 TR PCI 296
INTEL Token Express Pro 16/4 ISA 277
MADGE Smart 16/4 ISA TR card 229
Smart 16/4 PCI TR card 302
PROTEON P1394+ Token Ring 16/4/10-Pk 232/2,280
SMC Token Ring Elite 16/4 Single/12-pack 220/2,431
Token Ring Elite passive MAU 8-PT/16-PT 400/608

PCMCIA/Card Bus/Parallel Port Adapters

3COM 3C589 PC Card 10BT/COMBO 137/186
3C689 PC Card TR/5-Pk 346/1,665
3C562D-TP PC Card Enet 33.6/Fax/5-Pk 274/1,285
3C575-TX PC Card XL 10/100/5PK 157/745
IBM PC Card Coax/TP Adapter 242/261
Turbo 16/4 TR PCMCIA2 Adapter 349
INTEL EtherExpress Pro/100 Mobile 16-BIT 150
EEPro/100 Mobile 16BIT 5PK/20PK 714/2,610
EEPro/100 Mobile 32BIT SINGLE 158
EEPro/100 Mobile 32BIT 5PK/20PK 756/2,691
XIRCOM Pocket Adapter III 10BaseT 291
Pocket ENET III COMBO(BNC & 10BaseT) 325
PC Card IIPS 10BaseT/Combo/TR 150/186/378
CREDITCARD ENET 10/100+ FLEX/56MODEM 330
PC Card Enet 33.6 Modem & Fax 10BT/Combo 340/380
Card Bus 10/100BTX (CBE-10/100BTX) 199

Ethernet Hubs/Concentrators

3COM SuperStack II Entry Hub 12/24 ..... 278/431
Office Connect TP4 3C16704 4 10BaseT 63
Office Connect 8-pt Hub TPO/TPC/TPM 127/159/397
OfficeConnect 16 TP, 1 BNC 216
SuperStack II PS Hub 40 12-pt/24-pt 538/884
SuperStack II Hub 10 12-pt/24-pt 533/660
SuperStack II Hub 10 48 ports 2,196
SuperStack II 10 Mgmt Module/Redundant PS ... 466/1,032
SMC EtherEZ 8 port TP w/ BNC 99
ASANTE 8-Port w/AUI&BNC/12-Ports 122/242
24-Port w/AUI 390
BAY NETWORKS CG1001E01 BayStack 12-pt 595
CG1001E02 BayStack 24-pt 982
800 8-pt /2800A 16-pt 195/572
HEWLETT PACKARD AdvStack 8-port/16-port 169/486
AdvanceStack 12-pt/24-pt 461/868
AdvanceStack Switch Module for 12-pt or 24-pt Hub 662
AdvanceStack Management Module 350
AdvanceStack w/Mgmt Module 12-pt/24-pt 530/934

Ethernet Switches

3COM SSII SW1000 12 10BT,1 100BTX ..... (till 12/31) **1,438**
SSII Switch 1000 24 10BT, 1 100BTX ..... (till 12/31) **2,118**
SuperStack II Switch 3000 12-pt 10/100 Switch **2,099**
SuperStack II Switch 3000 8-pt 100BTX 2,058
SuperStack II Switch 3000 5-pt 100BFX 6,022
SuperStack II Desktop Switch 24TP,1 100BTX 1,700
OfficeConnect Switch 140 4-10BT,1-100TX 745
ASANTE ReadySwitch 4 RJ45, 1 Fast Ethernet 1,253
IntraStack 6014 DSB 12 10/100 ports 3,437
BayStack 301 22 10BT, 2 100BTX 2,727
BayStack 302 8-10BT, 1-100BTX 1,772
BayStack 303 24 10BT, 1 10/100BTX 1,471
BayStack 304 12 10BT, 1 10/100BTX 996
BayStack 350T 16PT 10/100BaseTX switch 2,785
CISCO CATALYST1900 12 10BT/1 100BTX 2,008
24 TP,1-100BTX,1-100FX 3,525
CATALYST 1900 24 10BaseT,2-100BTX 3,083
HP AdvanceStack Switch 208 8-10BT,1-100BTX 780
AdvanceStack Switch 224 24-10BT, 1-100BTX 1,428
AdvanceStack 800T 4 100BTX, 4 Open 1,567
AdvanceStack 2000 6-slot chassis 1,776
AdvanceStack 2000 2 100BTX module J3191A 888
AdvanceStack 2000 4 10BT module J3102A 888
INTEL ES101TX 8 PORT 10/100 Switch 2,191
ES101MATX 2 PORT 10/100 TX module 1,026
MICRODYNE ES4X4 410 BaseT & 4 100BTX 1,950
NPI Nuswitch FE200TT 2 100BaseTX Full Duplex 232
FE200TT PLUS 2 10/100 Autosensing switched ports 375
FE200TF 1 100BaseTX, 1 ST Full Duplex 528
FE200TF PLUS 1 10/100 TX & 1 10/100 FX 697
FE-210 2-100TX, 10-10BT 1,856
FE-106 1-100TX, 6-10BT 899
FE-512 5-100TX, 12-10BT 4,434
FE-224 2-100TX, 24-10BT 1,306
FE-600 6-100TX Full Duplex 953
FE-600 + 5-100TX, 1 Open slot 1,574
NETGEAR SW510 8 10BT + 2 10/100BaseTX 738
SW518 16 10BT + 2 10/100BaseTX 1,109
FS102 2 10/100 + 2 uplink 252
FS104 4 10/100 + 1 uplink 458
FS508 8 10/100 + 1 uplink 1,223
SMC EZSwitch Plus 6-10BT, 2 100BaseTX 958
TigerSwitch 100, 8 port 10/100BaseTX switch 2,187
TigerSwitch 8+8TX, 8 10BT+8 100BTX switch 1,670

Tape Backup Solutions

CHEYENNE ARCserve v6.1 NLM 10 Users 271
ARCserve v6.1 WRKGRP-Up to 25/Over 25 ..... 479/1,156
Changer Option for ARCserve/Push Agent 423/300
Windows NT Agent for ARCserve 330
NetWare Server Suite(Arcserve, Faxserve, Inoculan) 615
Open File Agent for NetWare 426
SEAGATE Backup Exec 1 Server 25 Users 329
Backup Exec Single Server/NetWare Ent NLM 462/922
Backup Exec Autoloader Option 393
Backup Director NLM 1 SVR/Multi-Server 727/1,164
STAC Replica for NetWare/Multi-Server Option 419/713
EXABYTE EXB-8700LT 8mm 7-14GB drive only 726
EXB-8700SW 8mm 7-14GB w/ Server software 1,002
HP C1554 DDS3 4mm 12-24GB DAT Int/Ext 1,145/1,245
C5647 72-144GB DDS3 autoloader 2,780
C1559 Surestor Ext 72-144GB DDS3 autoloader 3,641
C1536 DDS 4mm 2-4GB DAT Int/Ext 635/735
C1599 DDS2 4mm 4-8GB DAT Int/Ext 840/940
C1553 24-48GB Autoloader Int/Ext 2,230/2,530
SONY SDT-9000 4mm DDS3 24GB Int/Ext 1,418/1,506
SDT-9000 w/Arcserve Enterprise Int/Ext 2,379/2,432
TECMAR WangDAT 3900 DDS3 12-24 GB DAT Int 1,320
WangDAT 3900 DDS3 12-24 GB DAT Ext 1,440
TS420C-D01 Travan 4-8GB internal 400
TS420C-D12 Travan 4-8GB internal 500

ADDITIONAL SAVINGS ON THESE POPULAR ITEMS

HEWLETT PACKARD

Limited time promotion on HP NetServer E45 Pentium II 266 w/ 32MB RAM, 10/100 Fast Ethernet card, & 24XCD. Only $2,384 with the purchase of memory upgrade or 4 GB or larger SCSI hard disk. Novell IntraNetWare for Small Business (5) is only $ 369 when purchased with this server. We'll even install it FREE!

Bay Networks
People connect with us

The Bay Networks "No Trade" trade in progam!

Get $25 per port cash back for every qualifying Baystack 303, 304, and 350 switch you purchase that replaces a hub port. No need to send in your existing hubs. Offer good through March 31, 1998.

Remote Access

3COM Office Connect Boundary Router 3C8841 1,247
Office Connect Remote 510 ENET,ISDN 586
Office Connect Remote 520U ENET, ISDN, POTS 733
Office Connect Remote 530U ENET, ISDN, ASYNC ... 1,100
ARTISOFT InSync Modemshare 1/2/4/8Pt. 108/187/348/592
CISCO 2501 1 ENET, dual serial router (software req) .. 1,906
2514 2 ENET, dual serial router (software req) 2,340
DIGI LANAserver 2E 2 Async 1,290
LANAserver 6E 4 PCMCIA slots; 2 Async 2,152
LANAserver 8E 8 Async 2,588
LANAserver 10E 8 PCMCIA slots; 2 Async 2,896
EMULEX Connect Plus 2 ports/8 Ports 582/2,262
NOVELL NetWare Connect 2 309
NetWare Connect 8/32 pts 1041/3,405
NetWare Connect 2-port w/Modem and Serial I/O 845
NetWare Connect 8-port w/Modem and Serial I/O 2,912
HEWLETT PACKARD AdvanceStack Dial-A-LAN Modules
2A/Plus Module and SNMP Bundle J2633A 1,476
4A Module and SNMP Bundle J2634A 1,476
SHIVA Netmodem/E 28.8 871
AccessPort/D Enet ISDN router 690
Lanrover/E Plus w/2 Async ports/4 Async 1,334/3,311
Lanrover/E Plus w/2 v.34/8 PT w/4 v.34 ..... 1,771/4,164
Lanrover/E Async 8 Async/8 v.34 modems 3,655/5,355
DIGI INTERNATIONAL Digi 2-Pt/4-Pt/8-Pt 200/455/588
Acceleport 8EM w/RISC CPU, DB25 ISA/PCI 673/673

WAN Connectivity

3COM Impact IQ 3C882 275
ASCEND NetWarp 128 ISA Terminal Adapter 174
NetWarp Pro w/ POTS port 282
Pileline 15 w/ 2 POTS ports NT1 325
Pipeline 25-FX Bridging/ IP or IPX 480/721
Pipeline 50 w/NT1, COMP, IPX,IP/ with Firewall 604/946
Pipeline 50 w/ 1 Lease 56 & 1 SW56 1,196
Pipeline 75 Multi IPX, IP, 2 Analog/ with Firewall ... 679/1,026
Pipeline 130 w/FT1,T1,ISDN 1,386
Pipeline 130 ISDN & L56/SW & L56 ..... 1,342/1,412
Max 200 Plus w/4 BRI Cards 3,043
CISCO 762 ISDN Rtr/Cisco 766 w/2 Analog Pts 544/668
Cisco 772 4-10BT/Cisco 776 4-10BT, 2 Analog 668/794
SHIVA Lanrover/E Plus 1-BRI ST, v.34, 3 CHAN 1,918
Lanrover/E Plus 2-BRI ST, 4 Channels, Enet 2,075
Lanrover/E Plus 4-BRI ST, 8 Channels, Enet 4,760
US ROBOTICS Sportster ISDN adapter 224
DataBurst Ext. Parallel Port ISDN w/NT1 275
Paradyne 7610 56/64K DDS CSU for Frame Relay 336
3150 T-1 Frame Relay CSU 1,157
ADC KENTROX D-SERV FrameRelay 56/64CSU/DSU ... 347
D-SERV FrameRelay up to T1 CSU/DSU 978

Internet Solutions

3COM OfficeConnect Gateway 535 ISDN IPX to IP 1,326
BAY NETWORKS 20 Usrs 1 Enet w/33.6k 1,896
Instant Internet 20 User, 2 Enet w/ 33.6 modem 2,086
Instant Internet 20 Users, 1 Enet w/ ISDN 2,200
Instant Internet 20 Users, 2 Enet w/ISDN 2,403
Instant Internet 10-User Add-On Pack/30 Users ... 379/2,734
100 Users w/ Dual-Enet & DDS support 3,657
100 Users w/ Dual-Enet & T1 CSU/DSU 3,029
CISCO Microweb Server 907
FARALLON Netopia Internet Router IP/Appletalk 1,061
Netopia Internet Rtr TCP/IP 12-Users/.Unlimited 752/874
HP AdvanceStack Internet Router module J3138A 2,898
RAMP Networks WebRamp Entre 681
WebRamp IP ISDN Router/IPX Router 606/1,169
WebRamp M3 IP Rounter w/ 3 Serial ports 349

Network Printing Solutions

3COM Office Connect Print Server (2P) 340
CASTELLE LANpress 3P/100 (10/100BTX) 374
HEWLETT PACKARD JetDirect 150X 1 port, IPX 172
JetDirect 10BT MIO 339
JetDirect Combo MIO BNC/10BT 400
JetDirect Card for 10/100Base-TX J2556B 407
JetDirect Ethernet EX Plus/ EX Plus 3 ..... 306/420
JetDirect Token Ring EX/EX Plus3 ..... 567/682
INTEL Netport EL Ethernet/Token Ring 422/588
NetportExpress XL for Ethernet/TR 415/565
NetportExpress Pro 10BT Int(MIO)/3 Pack 299/747
NetportExpress Pro 100 10/100BTX 1P/3Pack 273/739
NetportExpress Pro 100 10/100BTX 2P/1S/3Pk .. 390/1,068

Network Fax Solutions

3COM Office Connect Fax Server (1L) 1,277
CASTELLE FaxPress 1500 1-Line/2-Line 1,970/2,365
Faxpress 3000 2-line/FaxPress 3000 4-line 2,948/3,574
Faxpress 3500 2-line/FaxPress 3500 4-line 3,196/3,762
CHEYENNE FaxServe NLM 5/10/25 ..... 393/717/1,177
FaxServe NLM 50/100 ..... 1,816/2,533
FaxServe NLM 250 3,801
ZOOM Multiline 8 slot w/4 fax modems, hot swap 937
SYMANTEC Net Satisfaxtion 25/1000 users 742/990

Uninterruptible Power Supplies

APC Back-UPS 400/450/600 ..... 151/185/256
Back-UPS Pro 420/650/1000/1400 ..... 251/310/404/521
Powerchute Plus for Novell/Unix/Windows NT 99/149/99
Smart-UPS 700NET/1000NET/1400NET 389/540/671
Smart-UPS 2200NET/3000NET 1,067/1,788
Matrix 3000/5000/Smartcell 3,720/4,616/537
SNMP Agent for Novell/SNMP Mgr for Netware 125/145

Cable Testers & Supplies

ALLENTEL AT680RJ45 Crimper 50
AT10K Crimper Kit w/5 DIES & case 259
RJ45 10 BaseT Connectors (100 pak) 40
10Base-T Cable (1000' min) LV3/LV 5 ..... 100/200
FLUKE LAN CableMeter 620/CableMeter 650 ..... 728/1,760
MICROTEST Cable Tester 300
Penta Scanner w/Super Injector 3,019

E-Mail

MS Exchange Server Single w/ 5/10/25 .... 1,014/1,368/2,160
Exchange Server Enterprise w/25/50 Clients 4,099/5,429
Exchange Add'l Clients 5/20 ..... 366/1,160
Exchange Internet Mail Connector 498

Network Management

3COM Transcend Workgroup Mgr for Windows 461
Transcend Enterprise Mgr for Windows 2,453
HP Openview Pro. Suite 1,037
INTEL LanDesk Mgmt Suite 5/10/100 users ... 522/696/4,240
LanDesk Server Manager Pro 1,232
NOVELL Lanalyzer for Windows 1,021
NetWare LANalyzer Agent Multi-Segment 1,178

Network Utilities

CHEYENNE AuditWare for NDS 100/Enterprise 460/851
Directory Mgmt. Combo/Enterprise 850/1,951
InocuLAN Wrkgrp/1Svr-Unlimited 301/648
InocuLAN 5 Svr-Unlimited Users 2,363
InocuLAN Option v4.0 for AS 6 313
INTEL LanDesk Virus Protect NW(Single) 1,024
LanDesk Virus Protect 4-pk/20-pk 3,460/14,438
ONTRACK Data Recovery NetWare 411
SEAGATE Prepare! Disaster Recovery SW 525

Server Mirroring

VINCA Campus Standby Server Software for NW 2,955
Standby Server NetWare/Windows NT 2,954/2,586
Entry StandBy Server/SnapShot Svr for NW 985/757
Standby Server Many-To-One 5,172

Windows NT Solutions

3COM Transcend Workgroup Mgr for NT 463
Transcend Enterprise Manager 2,353
CHEYENNE Arcserve for Windows NT v6.5, Single Svr .. 320
Arcserve for Windows NT v6.5, Enterprise Edition 713
Arcserve for NT NetWare Agent 438
Arcserve Changer Option for Windows NT 365
Arcserve Disaster Recovery Option for NT 271
InocuLAN for Windows NT 1 Svr 651
Open File Agent for Windows NT 421
EXECUTIVE SOFTWARE Diskeeper/5-Pack 266/1,089
INTEL Landesk Workgroup Mgr 25 1,615
LANDesk Virus Protect NT 1,028
MICROSOFT Windows NT Workstation 317
Windows NT Server w/5/10 Clients 812/1,128
Windows NT Client Single/20 Clients 34/658
SMS System Mgmt Server w/5 Clients 943
Proxy Server for NT4 995
SEAGATE Backup Exec for NT 1 Svr/Ent 462/913
Backup Exec Autoloader for NT 395
STAC Replica for Windows NT 419

SERVERS

HP Netserver E40 PPRO 180,16MB,8XCD 1,615
Netserver E40 PPRO 200, 32MB,8XCD 1,856
Netserver E45 PENTIUM2/233, 32MB,SCSI,24X 2,105
Netserver E45 PENTIUM2/233, 32MB,4GB,24X 2,499
Netserver E45 PENTIUM2/266 32MB,SCSI,24X 2,384
Netserver E45 PENTIUM2/266 32MB,4GB,24X 2,762

- LOWEST PRICE GUARANTEE ! ASK FOR DETAILS.
- Over 30,000 items from over 700 vendors. Call us for those hard to find items. Our computerized catalog can locate them within seconds.
- VISA, MC & AMEX Accepted. NEVER A SURCHARGE.
- Same day shipping & NEXT DAY guaranteed delivery available on most orders.
- Courtesy TERMS available to Government, Education, & Fortune 1500 Accounts.
- Fortune 1500 companies, Government, & Education P.O. accepted on approved credit.

1-800-788-LANS

HRS: M-F 8:00 AM TO 6:00 PM PACIFIC TIME
ADDR: 90 South Spruce Avenue, Suite N
South San Francisco, CA 94080
PHONE: 650-872-1376 **FAX:** 650-872-6634
email: fastlink@netcom.com

- International orders accepted. Payment by AMEX or Wire Transfer.
- Restocking fee applies to all non-defective returns and refused shipments. OPENED SOFTWARE IS NOT RETURNABLE.
- Prices & Specifications subject to change without notice.
- We are not responsible for typographical errors.
- Shipping & Handling charges will be added to all orders.

Internet users: download our catalog via ftp to ftp.netcom.com. Filename: /pub/fa/fastlink/DISKXOF4.EXE

business, for better or worse. To compete in this environment, European industry must embrace the Internet's potential markets and communication benefits. Judging by the participants in e-Christmas, Europe seems ready to give it a shot.

"The e-Christmas initiative has meant that Hamleys can take advantage of the latest technologies in electronic commerce while benefiting from expert knowledge and support from the partners participating in the project," David Fogel, buying and merchandising director for Hamleys, says. "We are excited at the prospect of using this new delivery channel to reach overseas customers, particularly during the Christmas period when our products are particularly appealing gifts for both adults and children."

The site is set to run through the holiday season, but the sponsors have not ruled out extending the site's life, depending on its success. If the site takes off, e-Christmas could be the genesis for the next stage of the Internet's growth cycle, a cycle which will lead to Americans and other nationalities "shopping in Europe" from their desktops on a regular basis, not solely during the holiday season.

So whether you're looking for Swedish chocolates or BMW miniatures, e-Christmas might make finding what you need much easier and perhaps a bit more interesting, which is what the Internet is all about. On the European end, there are potential sales to be made, and, if e-Christmas doesn't perform as envisioned, potential lessons to be learned.

"It's an interesting story in itself how a large group quickly mobilized across several companies and nine countries to pull off a complex distributed e-commerce-enabled Web site," Fields says. "And many of us never met and maybe never will!" ■

Copyright © 1997 by Cassidy F. Allen and MicroTimes. *All rights reserved.*

e-Christmas might make finding what you need much easier and perhaps a bit more interesting, which is what the Internet is all about.

High Speed, Reliable
Web Site Hosting
Lotus domino · Apache · Cold Fusion
Netscape · Front Page
Microsoft FrontPage 97

Providing
E-Commerce
for
California Chamber of Commerce
and many others!
CyberCash · Shopping Cart

High Speed, Reliable Web Hosting • Quick, On-line Domain Name Registration • E-Commerce for California Chamber and You • WWW.NETMKTG.COM

Quick, On-line
Domain Name Registration
Over 7,500 Domains On-line

"Experienced Provider of Your All Presence Needs."
INTERNET MARKETING SERVICES
VOX: 510.284.3124
INFO@NETMKTG.COM

www.netmktg.com

BMUG's Choice for Macintosh Specialty Store ...Since 1985

MAC SM

Modern Accessories for Computers
Rental, Sales, Lease Available

800-BUY-A-MAC Order Line for US & CA (Toll Free!)
(510) 644-0500 General Number / Sales Department
(510) 549-8785 Macintosh Repairs
(510) 644-0584 Order by Fax Web Page: http://www.m-a-c.com
2010 Shattuck Avenue, Berkeley, CA 94704

Store Hours
10:00 a.m. -- 6:00 p.m.
MON -- SAT

ATM VISA MasterCard

Moved to 2010 Shattuck Ave, Berkeley !!! (Cross Street: University Ave)

Internet Corner

Free Internet Access

Free 2 months internet access with any computer purchase

ystem 8 OS	$99
etScape Navigator for Macintosh	$49
ternet Books	20% Off
dobe Pagemill	$99
S Robotics 56K X2	$179†
After $50 Factory Rebate	

Printer/Scanner

pple LaserWriter 4 / 600	$895
pple LaserWriter 12/ 640	$1595
pson Stylus 600, w/ Cable	$289
pson Stylus 800, w/ Cable	$479
IP Laserjet 6MP	$995
IP Laserjet 5M	$1895
IP LaserJet 4MV, 11X17 Size	$2895
MAX Astra 600 Color Scanner	$199
MAX Astra 1200 Color Scanner	$399

Computer Upgrade

RAM Super Sale

MB Dimm	$69
6MB Dimm	$99
2MB Dimm	$159
4MB Dimm	$329
MB Simms	$49
MB Simms	$69
6MB Simms	$99
2MB Simms	$159
6MB, PB 1400	$179
2MB, PB 1400	$279

Hard Disk

Quantum 2100MB	$299
Quantum 2GB IDE	$299
Micropolis 2GB	$379
Micropolis 4 GB	$795
Micropolis 9 GBW	$1495
External 3.5"Case	$99
External 2.5" Case	$79

†External Unit,Add $90 ea.

Last Chance

to get these super fast Power Computing units at bargain prices.

PowerComputing

Free System 8 Upgrade

	Price	Lease
PowerCenter Pro/180Tower	1795	68
604e/180Mhz, 16MB/2Gig /CD/1MB Cache		
PowerCenter Pro/240Tower	2395	91
604e/240Mhz, 32MB/2Gig HD/CD/1MB Cache		

UMAX Computer

	Price	Lease
SuperMac C-600/200, *Stock*	1199	45
603e/200, 16MB/2.1GB/8XCD/256K/Modem		
SuperMac C-500/200, *Stock*	1099	40
603e/200Mhz, 16MB/2Gig HD/12XCD/256K		

Back Up Drives

ZIP Drive w/ 1 Cart	$139
ZIP Drive Plus w/ 1 Cart	$199
iomega ZIP Drive Cartridges 1 Pak	$15
iomega ZIP Drive Cartridges 3 Pak	$42
iomega JAZ 1 Gig Removable Drive	$399
JAZ Cartridge- *Special*	$99

CD-Rom Drives

La Cie 12X CD Drive	$199
La Cie 24X CD Drive	$249

"Best Place to Buy Computer" . . . Express Newspaper

PowerMac Sale

PM 7300/180, 16MB/2000HD/CD
$1849 Saves $150
PM 7300/200, 16MB/2000HD/CD
$2049 Saves $150

PowerMac	Price	Lease
Power Mac 7300/180, 16/2000/CD	**1849**	**79**
Power Mac 7300/200, 32/2000/CD	**2049**	**79**
Power Mac 8600/250,32/2G/CD/ZIP	3095	98
Power Mac 8600/300,32/4G/CD/ZIP	3095	117
Power Mac 9600/300,64/4G/CD/ZIP	3795	144
PowerBook-*In Stock*		
PowerBook 1400cs/133 16/1.3G/CD	**1995**	**75**
PowerBook 1400c/133 16/1G/CD	**2695**	**102**
PowerBook 3400c/180 16/1.3G/CD	3195	121
PowerBook 3400c/200 16/1.3G/CD	3995	151
Display & Printer		
Apple Multiple Scan 1705 Display	699	29
AppleVision 850 20" Display	1795	68
LaserJet 6MP, 600dpi Printer	995	41
LaserJet 5M, 600dpi Printer	1895	72
Sony 100sf 15" Multisync monitor	399	16
Sony 200sf 17" Multisync monitor	**699**	**30**
Sony 300sf 20" Multisync monitor	1499	53

36Mo/$1 Lease, $3000-$8000 category. Business Only, Tax Not Included

Trade In Your Old Mac

•We Buy or Trade Any Macintosh CPU (68040 minimum) & Peripherals
•Or We Can Help Donating Your Mac

Corporate Leasing Available
Ask us for details.

Macintosh Rentals

Security Deposit Required

PM 8500 16MB/1G HD	Mac 7200 8MB/500HD	PowerBooks Starting at	PowerMac 7100 16MB/500HD
$189 Monthly	**$359** Monthly	**$139** Monthly	**$199** Monthly

Expert Macintosh Repairs

Monitor
•All Makes & Models
•Authorized Radius Service Center
•3-5 Days Turn-Around
•Loaner Available

Macintosh
•All Mac Models Upgrade & Repair
•**Data Recovery**
•Component Level Repair
•While-U-Wait Service
•On-Site Service
•1-2 Days Turn-Around

Printer
•All Makes & Models
•Laser Printers
•Ink Jet Printers
•On-Site Service Available
•3-4 Days Turn-Around
•Loaner Available

Fall Season Specials

Apple System 8 OS	$99
Teleport 56K Modem with *System 8 Free*	$189
Virtual PC	$139
iomega ZIP Drive	$139
Abuse	$25
Games of Fame 3	$20
Marathon	$15
Pathways into Darkness	$10
Quake	$49
RIVEN	$60

RIVEN Arrived!

Price Good Until Dec 14 , 1997

†No interest for 90 days, call for details. Prices subject to change without notice, not responsible for errors. This Ad Expires Dec. 14, 1997

Product Announcements

Accessories/ Stocking Stuffers

Adjustable Notebook Visor

The Adjustable Notebook Visor offers a solution to one of the biggest problems facing portable computer users—unwanted glare and reflection on their screens that make viewing difficult, unpleasant, and harmful to the eyes. The visor is especially useful to mobile professionals who spends a lot of time on airplanes, as well as casual users who enjoy working outdoors. In addition to its ability to block the sun's rays, the visor acts as a privacy shield. Compact and lightweight, it is easy to attach and remove

using hook-and-loop fittings from 3M Corp. When folded, it fits easily into a briefcase, travel bag or computer carrying case. ($29.95) Ergotech International, Inc., 30 Corporate Park, # 300, Irvine, CA 92606. (714)252-1612.

Mickey's Stickers & Stuff Printing Fun Kit

Ideal for art projects, birthdays, holidays, or any occasion, the easy-to-use software and supplies lets kids design and print their favorite classic Disney characters onto stickers and cards. The Windows CD-ROM from Disney Interactive features Mickey Mouse and his friends, incorporating fun, colorful patterns, and wacky art elements. Users can create their own customized designs, layouts, and text. Also includes a twenty-sheet printer supplies pack with thirteen different card, sticker, and label products. ($19.99) Avery Dennison Corp., 20955 Pathfinder Rd., Diamond Bar, CA 91765-4000. (909)869-7711.

Free-D Microphone with "Mic 'n' Friends"

MidiLand Inc. has introduced the uni-directional Free-D microphone which features a highly adjustable, soft-plastic body that can be bent into various positions to accommodate different

sound sources, increase ergonomic comfort, or simply add a humorous twisted effect. The mic can stand on its own, or can slide into a self-adhesive stand that users can mount on a desk, monitor, keyboard or anywhere on their work space. For an added touch of whimsy, MidiLand designers have created a series of figures to decorate the Free-D microphone. Dubbed "Mic 'n' Friends," these figures include a yellow puppy, a snowman and a pink flower. The Free-D handles a frequency range of 100–16,000Hz and offers a 1Khz sensitivity of -47dB. It can be used for teleconferencing, Internet telephony, multimedia projects or for voice recognition-capable computers. The Free-D microphone includes a 6' cord, weighs 0.3 lbs and is compatible with PC and Mac systems. ($19.95) MidiLand, Inc. 1-888-592-1168 or (909)592-1168. URL: *http://www.midiland.com* .

Pop-Up CD Holder

The days of choosing a CD holder in either black and gray plastic or unadorned wood have ended. For its new Pop-Up CD Holder, Computer Expressions licensed many popular designs, including The Rolling Stones, M.C. Escher, MTV, Betty Boop, Kiss, and Hershey. These holders also feature Impressionist artists

such as Monet and van Gogh, along with images of cats and dogs. Pop-UP CD Holder comes in a small, compact package, then assembles easily in minutes into a sturdy box that holds eighteen CDs. The design features a strong inner frame of slotted plastic, surrounded by a solid housing of heavy laminated paperboard printed with high-resolution graphics. ($9.99) Computer Expressions, Inc., 4200 Mitchell St., Philadelphia, PA 19128-3593. 1-800-443-8278. Email: *sales@CompExpress.com* . URL: *http://www.CompExpress.com* .

KSW-36/KSW-100 CD Organizers

For consumers looking for an elegant CD carrying case, Case Logic has expanded its line of Koskin (a product that incorporates the look

and feel of rich leather) CD organizers with the new KSW-36 and KSW-100 models. Manufactured out of Koskin and featuring stylish, saddle-stitch detailing, both cases satisfy the need for larger-capacity CD organizers. The KSW-100 is able to hold 100 CDs with liner notes and features a zippered closure to help keep CDs clean and protected. A handle provides a convenient method to carry the case. The KSW-36 holds up to thirty-six CDs with liner notes and also uses a zipper closure for safety and protection. In addition, both cases utilize Case Logic's ProSleeve technology to maximize carrying space and protect the delicate surface of the disc. The pockets feature a soft lining to ensure the CD playing surface will not be scratched, a separate section to hold liner notes, and are space-efficient, holding four times as many CDs in the same amount of space. Case Logic. 1-800-925-8111. URL: *http://www.caselogic.com* . *continued on page 120*

Clockwise from top left: Adjustable Notebook Visor from Ergotech International, Inc.; Free-D Microphone from MidiLand, Inc.; Case Logic's Koskin CD organizer; Computer Expressions' Pop-Up CD Holder.

INFITECH
The Rackmount Innovation Company

Customize Your Rackmount Systems

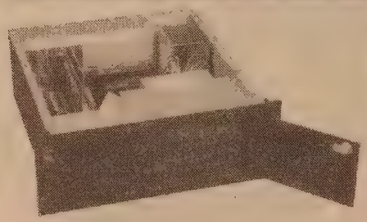
Your Rackmount Search Stops Here at Infitech

- **In-House Design and Manufacturing**
- **Made in the U. S. A.**
- **O.E.M./Custom Design Specialists**
- **Prototype in 2 Weeks**
- **Free Design Consulting**
- **7-Days, 24-Hour Technical Support**
- **100% Money-Back Guarantee**
- **Two-Year Labor & Parts Warranty**

Complete Line of Rackmount PC Products

- RC 4000 Series (4U Height) Rackmount Enclosures
- ATX Series Rackmount Enclosures
- RC 5000 Series (5U Height) Rackmount Enclosures
- 2U & 6U Rackmount Enclosures
- Rackmount Monitor Enclosures
- Rackmount Keyboard Enclosures
- RAID Enclosures
- NEMA 4/12 Workstations
- Wall Mount Chassis
- Rackmount Cabinets
- Rackmount UPS
- Single Board Computers
- Passive & Segmented Backplanes
- Custom Configured Rackmount Systems

ATX RACKMOUNT SYSTEM

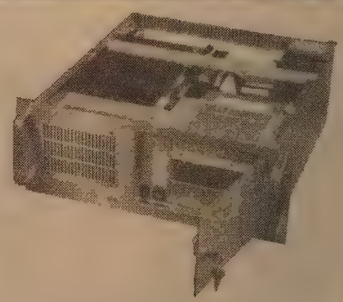


Call For Price

- RC4107ATX-B4, 7-Slot Industrial Rackmount Enclosure
- Intel ATX Form Factor
- (7" H x 19" W x 18.5" D)
- Black Epoxy Powder-Coated Exterior Paint Finish
- Three 5.25" Horizontal Front Accessible Drive Bays & One 3.5" Vertical Front Accessible Drive Bay
- Pentium II PCI Mainboard, Intel or Compatible
- Intel Pentium II-266MHz CPU with CPU Cooling Fan
- 64MB EDO Memory
- Teac 1.44MB (3.5") Floppy Disk Drive, Black Face
- Western Digital 2.1GB IDE Hard Disk
- Toshiba 12X IDE CD-ROM Drive, Black Face
- 4MB Matrox Millennium VGA Card
- Kensington "Expert" Trackball
- Windows NT 4.0 Workstation
- 300W ATX Power Supply
- Viewsonic 17" SVGA Monitor
- Keytronic 104 PS/2 Enhanced Keyboard
- (Rackmount Keyboard & Monitor Enclosure Also Available)

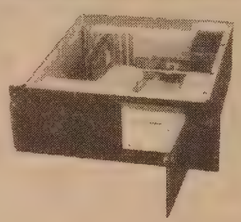
SBC RACKMOUNT SYSTEM

Call For Price



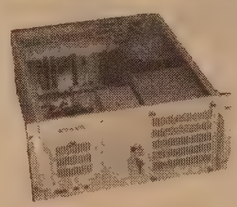
- RC4114, 14-Slot Industrial Rackmount Enclosure
- (7" H x 19" W x 18.5" D)
- Black Epoxy Powder-Coated Exterior Paint Finish
- Three 5.25" Horizontal Front Accessible Drive Bays, One 3.5" Vertical Front Accessible Drive Bay
- Pentium 166MHz CPU Card (Intel Triton Chipset, 256K Pipeline Burst Cache)
- Pentium 166MHz CPU with CPU Cooling Fan
- 14-Slot PCI/ISA Passive Backplane
- 32MB EDO Memory
- Teac 1.44MB 3.5" Floppy Drive
- Western Digital 2.1GB SCSI Hard Drive
- Toshiba 12X SCSI CD-ROM
- Adaptec 2940 SCSI Controller
- Diamond Stealth 64bit 2MB VGA Card
- Microsoft Windows NT 4.0 Workstation
- 300W PS/2 Power Supply
- (Rackmount Keyboard & Monitor Enclosure Also Available)

RC4107ATX



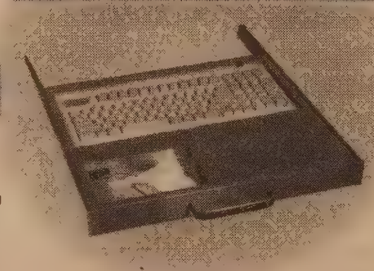
- 7-Slot Industrial Rackmount Enclosure
- Intel ATX Form Factor
- (7" H x 19" W x 18.5" D)
- Black Epoxy Powder-Coated Exterior Paint Finish
- Three 5.25" Horizontal Front Accessible Drive Bays and Two 3.5" Vertical Internal Drive Bays
- Locking, Dust-Proof Front Door with Black Keylock
- Low Noise, High MTBF Cooling Fans
- Intel ATX or Compatible Motherboard Mountable on Fixed Standoffs
- (Intel I/O Shields & ATX Power Supplies Also Available)

RC5107HAX/RC5108AT



- 7 or 8-Slot Industrial Rackmount Enclosure
- (8.75" H x 19" W x 20" D)
- White High-Baked Water Exterior Paint Finish (Also Available in Black Epoxy Powder-Coated Exterior Paint Finish)
- One 5.25" Vertical Front Accessible Drive Bay, One 3.5" Vertical Front Accessible Drive Bay, Three 3.5" Vertical Internal Drive Bays
- Locking, Dust-Proof Front Door With Silver Keylock
- Low Noise, High MTBF Hot-Swappable Cooling Fans
- Baby-AT or 8-Slot Passive Backplane Mountable (RC5108AT); Intel ATX or Compatible Motherboard Mountable (RC5107HAX) on Fixed Standoffs
- 300W Hot Swappable, Redundant Power Supplies (Front Accessible)

19" RACKMOUNT KEYBOARD WITH MOUSE HOLDER

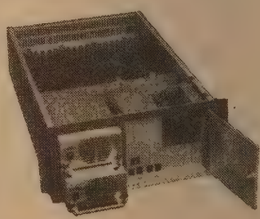


RC4108/RC4114

- 8 to 14-Slot Industrial Rackmount Enclosure
- (7" H x 19" W x 18.5" D)
- Black Epoxy Power-Coated Exterior Paint Finish
- Three 5.25" Horizontal Front Accessible Drive Bays and One 3.5" Vertical Front Accessible Drive Bay
- Locking, Dust-Proof Front Door with Black Keylock
- Low Noise, High MTBF Cooling Fans
- Baby-AT or Full-Size Motherboard or 8-Slot Passive Backplane Mountable (RC4108); 14-Slot Passive Backplane Mountable (RC4114) on Fixed Standoffs
- (AT & PS/2 Style Power Supplies Also Available)

RC5120QS

- 20-Slot Industrial Rackmount Enclosure
- (8.75" H x 19" W x 26" D)
- Black Epoxy Powder-Coated Exterior Paint Finish
- Four 3.5" Horizontal Front Accessible Drive Bays and Two 3.5" Horizontal Internal Drive Bays, Two 3.5" Vertical Internal Drive Bays
- Locking, Dust-Proof Front Door With Black Keylock
- Low Noise, High MTBF Cooling Fans-Five 39CFM Fans in Center
- 20-Slot Passive or Segmented Backplane Mountable on Fixed standoffs
- 300W Hot Swappable, Redundant Power Supplies (Front Accessible)



INFITECH
The Rackmount Innovation Company

1-800-560-6550

1515 Industrial Way, Belmont, CA 94002

Tel: (650) 631-2822
Fax: (650) 631-4255
e-mail: sales@infi-tech.com
http://www.infi-tech.com

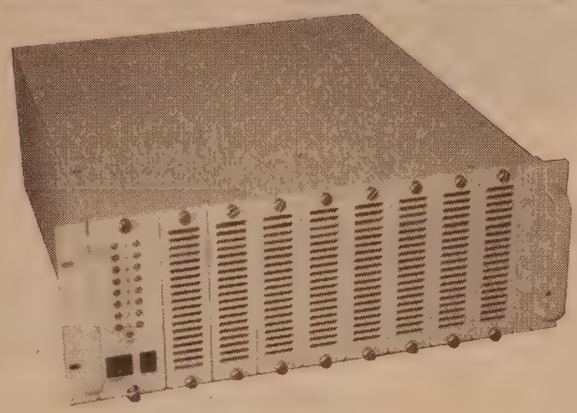
Creativity and Innovation at Its Best

INFITECH
The Rackmount Innovation Company

- ***Design to pass FCC class A or B, UL, CE certifications***
- ***Improve EMI performance***
- ***Superior cooling effects by optimal air-flow design***
- ***Reduce fan noise level within the enclosure***
- ***Better electrical grounding***
- ***No overspray or painting inside***
- ***No rough edges (safer handling)***
- ***Durable epoxy powder-coated paint***
- ***Easier replacement of air filter and fans***

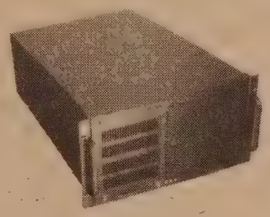
High-Performance Rackmount PC Products for Industrial, Computer Telephony, Semiconductor & Telecommunications

RC4208HR-R RAID ENCLOSURE



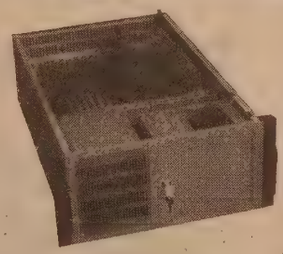
- White High-Baked Water Exterior Paint Finish
  (Also Available in Black Epoxy Powder-Coated Exterior Paint Finish)
- Eight 5.25" Drive Bays
- 300W Hot Swappable, Redundant Power Supplies
- Hot Swap Removeable Drive Bay Option
- 19"(W) x 7"(H) x 20"(D)

RC5107ATX-HF



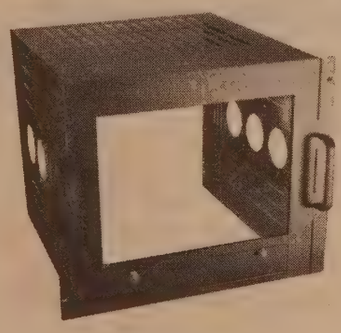
- 7-Slot Industrial Rackmount Enclosure
- Intel ATX Form Factor
- (8.75"H x 19"W x 26"D)
- Black Epoxy Powder-Coated Exterior Paint Finish
- Four 5.25" Horizontal Front Accessible Drive Bays, One 3.5" Vertical Front Accessible Drive Bay,
  Four 3.5" Vertical Internal Drive Bays
- Locking, Dust-Proof Front Door with Black Keylock
- Low Noise, High MTBF Hot Swappable Cooling Fans
- Intel ATX or Compatible Motherboard Mountable on Fixed Standoffs.
- 300W Hot Swappable, Redundant Power Supplies (Front Accessible)

RC5120HF

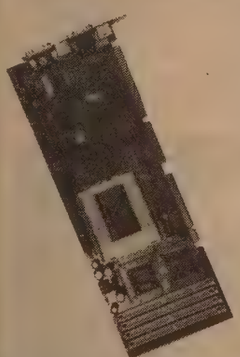


- 20-Slot Industrial Rackmount Enclosure (8.75"H x 19"W x 26"D)
- Black Epoxy Powder-Coated Exterior Paint Finish
- Four 5.25" Horizontal Front Accessible Drive Bays, One 3.5" Vertical Front Accessible Drive Bay
- Locking, Dust-Proof Front Door with Black Keylock
- Low Noise, High MTBF Hot Swappable Cooling Fans
- 20-Slot Passive or Segmented Backplane Mountable on Fixed Standoffs
- 300W Hot Swappable, Redundant Power Supplies (Front Accessible)

17" RACKMOUNT MONITOR ENCLOSURE WITH LEXAN SHIELD



SM-P61PVS



- Pentium Pro PCI/ISA CPU Card with Flat-Panel/SVGA & Ultra-Wide SCSI
- Pentium Pro™ Processor 75MHz - 200MHz
- CPU Built-in 256KB Cache
- Intel® 82440 FX Natoma PCI Chipset
- Up to 128MB, EDO and ECC Support
- 256KB Award Flash BIOS
- On-Board C & T 65550 High Performance PCI Flat Panel/CRT Controller
- On-board 1MB Video Dram, Expandable to 2MB
- On-board Adaptec AIC-7880 Ultra-wide SCSI Controller

RC6000

- 60" Rack Cabinet
- (60"H x 21"W x 24"D)
- Aluminum Construction
- Black Epoxy Powder-Coated Paint Finish
- Lockable Casters

Infitech Moves to a New 40,000 sq.ft. Location in Belmont!

You are always invited to tour our facilities and enjoy our exciting showroom!

All trademarks are property of their respective owners. All rights reserved.

Your One-Stop Source for Industrial Computer Needs

Top left: QuickPad from H45 Technology; bottom left: SurfMate Wireless Keyboard by US Electronics; center: Interlink Electronics' VersaPad; top right: Pentax EI-C90 digital camera; bottom right: Olympus D-600L digital camera.

Product Announcements *continued from page 117*

QuickPad Portable Word Processor/Wireless Keyboard

H45 Technology has presented QuickPad, a new PC keyboard for IBM compatibles that functions as a word processor, stand-alone notepad, calculator, and scheduler. Featuring on-board semiconductor memory and a 4 x 40 character LCD display, the QuickPad allows users to enter, view and edit up to fifty pages of text, and then transfer it via wireless link or a standard PS/2 or AT keyboard cable to a PC for formatting and printing. In addition, QuickPad can store up to 500 telephone numbers, addresses, and short messages indefinitely, while also serving as a full-function calculator and scheduler. Four AA batteries will operate for 2-3 months, while a backup battery assures that data will not be lost even when the main battery is discharged. ($199) H45 Technology. 1-800-220-6346. URL: *http://www.h45.com* .

SurfMate Wireless Keyboard

US Electronics has introduced SurfMate, a 79-key plug-and-play wireless keyboard that

requires no software installation. The user simply plugs SurfMate's receiver unit into the computer's keyboard port and the unit is ready for typing. An optional integrated pointing device replaces the mouse. SurfMate is compatible with all Internet applications, including Web browsers and email, and can be used with any software. The keyboard gives users the freedom to be almost anywhere in a room and still maintain complete control of the computer. SurfMate transmits through infrared LED at distances up to 45' and, depending on the distance to the PC, at horizontal angles up to 60° and vertical angles up to 50°. The keyboard comes equipped with batteries and weighs 21 oz. For Windows-compatible machines. ($149.99) US Electronics, 1-800-873-2552. Email: *info@surfmate.com* . URL: *http://www.surfmate.com* .

VersaPad

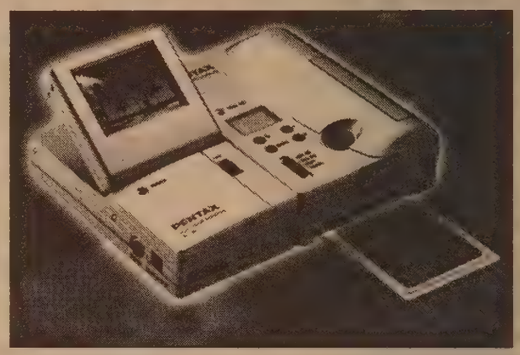
Interlink Electronics, Inc. has introduced VersaPad, a new touchpad which offers: precise cursor control via fingertip or stylus; touch-sensitive pan and scrolling; a five-key

personalizable toolbar; and signature capture "on-the-fly." VersaPad delivers virtually effortless cursor control, adjusting pad resolution and tap sensitivity automatically as the user switches from fingertip to stylus. For added convenience and utility, VersaPad offers variable-pressure controls that can be operated by applying pressure to the arrow keys on the top control bar (slight pressure to scroll or pan slowly, and heavier touch to speed up the action). VersaPad also provides a programmable five-key toolbar, as well as "on the fly" signature capture: From any Windows 95 application, simply press the graphics mode key, sign your name or scribble a note on the touchpad, then paste it into your current document. ($69.95) Interlink Electronics. 1-800-340-1331. URL: *http://www.interlinkelec.com* .

Digital Cameras

Pentax EI-C90

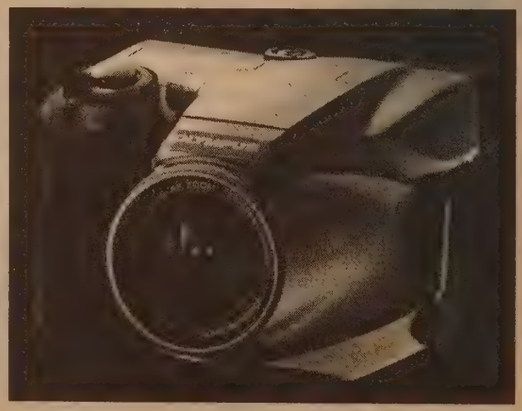
The first digital camera from Pentax, the EI-C90 is designed to allow you to easily put high-quality visual images into a personal computer. Even though it is one of the smallest digital cameras on the market, weighing only 6.4 oz. without batteries, the EI-C90 features a PC Card slot for Type I and II cards. There is also 2MB of Flash



Memory built-in, which holds up to eighteen compressed images. For those demanding the highest quality picture, the EI-C90 is capable of recording with an uncompressed format, offering 768 x 560 pixel image size and 24-bit RGB high-resolution images. Equipped with an NTSC-format video output channel, you can monitor images on-the-spot using the EI-L90 color LCD monitor or TV monitor. ($915) Pentax Corp., 35 Inverness Dr. E., P.O. Box 6509, Englewood, CO 90155-6509. (303)799-8000. URL: *http://www.pentax.com* .

Olympus D-600L

The D-600L combines high-resolution (1.4 megapixel) with a lightweight, built-in 3X zoom lens and through the lens, single lens reflex-type viewfinder. The lens, which features a seven-



At these prices, you can afford to stuff yourself!

Monitors

Hansol

14PX 14" .28dpi.....$170
15AX 15" .28dpi.....$219.95
700A 17" .27dpi.....$435
17PX 17" .25dpi 1600x1200.....$499

NEC

A500 15" .28mm.....$335
E500 15" .25mm.....$365
A700 17" .28mm.....$575
E700 17" .25mm.....$695
P750 17" w/ OptiClear Surface.....$865
E1100 21" 1280x1024 @ 76Hz.....$1499
P1150 21" w/ OptiClear Surface.....$1768

SONY

CPD 100SX 15" .25dpi.....$355
CPD 100SF 15" .25dpi.....$415
CPD 200SX 17" .25dpi.....$755
CPD 200SF 17" .25dpi.....$679
CPD 17SE-2 17" SVGA, .25dpi.....$875
GDM 20SF2 20" State of the Art.....$1790

ViewSonic®

E² Series

E641 14" 1024x768 Digital ctrl.....$215
E655 15" 1280x1024 Digital ctrl.....$290
17EA 17" 1280x1024 Digital ctrl.....$545

Graphics Series

15GS 15" 1280x1024 Flat Scr.....$345
15GA 15" 1280x1024 Flat Scr.....$375
G771 17" 1280x1024 Flat Scr.....$555
17GA 17" 1280x1024 Flat Scrl.....$605
GT770 17" 1280x1024 Flat Scr.....$620
GT775 17" 1600x1200 Flat Scr.....$670
G800 20" 1600x1200.....$1055
G810 21" 1600x1200 Flat Scr.....$1270
29GA 29" 1280x1024 Flat Scr.....$2200

Professional Series

17PS 17" 1600x1280 .25dpi.....$670
PT770 17" 1600x1280 Sonictron.....$685
PT775 17" 1600x1280 Sonictron.....$780
P810 21" 1800x1440.....$1405
PT813 21" 1600x1280.....$1540
P815 21" 1800x1440.....$1595

Please Call for Prices On Unlisted Monitors

Hard Drives

FUJITSU

M1623TAU 1.7GB EIDE 10ms seek..$135
M3026TAU 2.6GB UltraDMA 10ms.....$175
M3035TAU 3.5GB UltraDMA 10ms....$199

Maxtor

85120AP 5.2GB EIDE.....$315
87000AP 7.0GB EIDE.....$355
88400AP 8.4GB EIDE.....$395

Quantum

2110S SCSI II 2.1GB HD.....$255
2550AT 2.5GB EIDE.....$210
TM33200 3.2GB EIDE HD.....$235
4.3AT EIDE 4.3GB.....$299
6.4AT EIDE 6.4GB.....$429

Seagate

ST31621A 1.6GB EIDE Hard Drive.....$185
ST32132A 2.1GB EIDE Hard Drive.....$199
ST32155N 2.1GB 9ms Ultra SCSI.....$call
ST32155W 2.1GB 9ms Wide SCSI.....$565
ST15150N 4.3GB SCSI-II 8ms.....$call
ST19171W 9GB Ultra Wide SCSI HD...$call

WESTERN DIGITAL

34300 4.3GB EIDE Hard Drive.....$280
21600 1.6GB EIDE Hard Drive.....$160
22100 2.1GB EIDE Hard Drive.....$189
32500 2.5GB EIDE Hard Drive.....$199
33100 3.1GB EIDE Hard Drive.....$225

Fax / Modems

Maxtech 56K FaxModem Int w/Vo..$99/Call
Maxtech 33.6k int/voice.....$79
US Robotics PCMCIA 28.8K Dataview.$279
US Robotics VI 56K P-N-P External.....$205
US Robotics VI 56K P-N-P Internal.....$185
US Robotics VI 33.6K Voice Internal.....$145
US Robotics 33.6k Int/Ext.....$145/160
US Robotics Sportster 128K ISDN Int..$319
US Robotics Courier I- ISDN/ v34.....$565
US Robotics PCMCIA 14400.....$99
Diamond SupraExp 56K INT/EXT.$95/135
Diamond NetCommander ISDN Int.....$call
Motorola Bitsurfer Pro ISDN Int/Ext....$call
Motorola PCMCIA Cellular Modem.....$220
Motorola MdmSurf 56K Int/VOICE.$129/169
MegaHertz Xj3288 PCMCIA 28,8 F/M.$190

Video Cards

DIAMOND

Stealth 3D 2000 2MB DRAM PCI.....$65
Stealth 64 Video 4MB VRAM PCI.....$115
Stealth 3D 3000 2MB **VRAM** PCI.....$115
Stealth 3000 2MB VRAM UPGRADES.....**$55**
Viper V330 4MB VRAM 128 bit.....**$175**

MGA

MGA Millennium II 4M OEM WRAM..$175
MGA Millennium 6/8MB WRAM..$call/call
MGA Mystique 2/4MB SGRAM...$125/175

3D BLASTER

CreativeLabs 3D Blaster PCI 4MB VD...$99

Hard Disk Controllers

ASUS SC200 32Bit SCSI PCI.....$79
ADAPTEC 1520 16Bit SCSI Card.....$79
ADAPTEC 2940 PCI SCSI-II (OEM)... $180
ADAPTEC 2940UW PCI Wide SCSI..... $225
ADAPTEC 3940W Wide Dual Chn.PCI.$367
ADAPTEC APA-1460 SCSI SlimPCMCIA$187

Sound Cards

Sound Blaster 16 OEM.....$55
Sound Blaster AWE64 OEM.....$89
Sound Blaster AWE64 Gold 4MB.....$185

Removable Storage

Mitsumi 1.44MB 3.5" FD.....$25
TEAC 1.44MB 3.5" FD.....$28
Iomega ZIP100 Parallel 100MB Drive...$135
Iomega ZIP100 SCSI 100MB Drive.....$159
Iomega JAZ SCSI 1GB Drive/Ext...$395/495
SyQuest EZ135 PAR 230M Ext.TpDrv..$245
Exabyte Eagle Nest TR-3 4.4GB.....$209
Colorado T3000 3.2GB Travan.....$185
Colorado T4000S 8GB SCSI.....$375
Iomega Ditto 2GB/3.2GB.....$115/$159

CD-R's available... please call for prices!

CD-ROM Drives

Mitsumi 8X EIDE CD-ROM.....$59
Mitsumi/Teac/TOSHIBA 16X EIDE.....$70
Toshiba 24X EIDE CD-ROM.....$85
Panasonic 24X EIDE CD-ROM.....$85
TOSHIBA 15X SCSI CD-ROM.....$145

Motherboards w/CPU

Pentium®II..233/266&MB.....Call for price!
Pentium® Pro 200 .....$call
Pentium® 233 w/MMX™ASUS TX97....$505
Pentium® 200 w/MMX™ ASUS TX97....$425
Pentium® 200 .....$290
Pentium® 166 w/MMX™ Technology....$255
Pentium® 166 .....$239
Pentium®150/133 .....$215/$208
AMD K6 PR2-233.....ASUS TX97.....$525
AMD K6 PR2-200.....$295
AMD K6 PR2-166.....$245
AMD K5-PR166 .....$199
Cyrix 6x86MX P200+... ASUS TX97...$295

All Motherboards feature 2 built-in high speed serial ports, 1 parallel port, and 2 EIDE controllers. Prices reflect CPU with Microstar or ASUS motherboard. Microstar MB has Intel Triton VX chipset and 512K cache; ASUS motherboard features above, with flash BIOS.

Please call for latest prices & availability

Cases w/Power Supply

AT Desktop case w/ 230 Watt UL P.S $40
Mini Tower case w/ 230 Watt UL P.S $35
Med.Tower 230W /ATX-250W.....$55/$90
Full Tower case w/ 250Watt UL P.S $80
Super Full Tower Case w/ 2 side doors, dual fan w/ 300Watt UL Power Supply $155

Memory

4x9 (4MB 30 pin SIMM).....$22
2x32 (8MB 72-pin SIMM) Std or EDO.$28
2x36 (8MB 72-pin with parity)....$45
4x32 (16MB 72-pin) EDO.....$55
4x36 (16MB 72-pin with parity)....$79
8x32 (32MB 72-pin) EDO.....$105
8x36 (32MB 72-pin) with parity).....$125
16x32 (64MB 72-pin) EDO.....$299
32x32 (128MB 72-pin) EDO.....$545
2x64 (16MB SDRAM DIMM).....$65
4x64 (32MB SDRAM DIMM).....$125
8x64 (64MB SDRAM DIMM).....$290

Prices may vary due to market conditions.

We carry notebook memory, including AST, Compaq, NEC, IBM, Toshiba, etc. Please call for prices!

Upgrade Super Special!

Don't throw away your old '386 or '486! If you've already invested in a CD-ROM, modem, sound card, hard drive, etc., there's no reason to spend extra to get the performance you need- take advantage of our upgrade special! For only $399, you can upgrade your computer to the power of the Intel Pentium Processor with MMX technology!

Includes:
- 166MHz Intel Pentium MMX
- ASUS SP97-V motherboard w/integrated 4MB SVGA
- 32MB EDO RAM
- 1.44Mb, 3.5" Floppy drive
- Mini tower case
- 230W power supply
- 1 Year Limited Warranty

Only
$399
Labor included

Price good through 11/30/97 with this coupon. Some system configurations extra. Please call for details.

Voyager II System

Includes:
- 233MHz Intel Pentium® II
- ASUS LX AGP motherboard
- 32MB SDRAM
- 4.3GB UltraDMA hard drive
- ASUS 3D Explorer 3000 AGP Video card
- 24X MAX CD-ROM
- 56K X2 modem
- Sound Blaster AWE64 sound card
- Yamaha System 25 speakers w/subwoofder
- 104 key Keyboard
- Microsoft IntelliMouse
- Microsoft Windows 95

Only
$1875

Check out our Thanksgiving Specials!

Fujitsu 1.7 Gig Hard Drive
10ms Access Time, 5400 RPM
$126
Limit 1 per customer

Home Office System
Intel Pentium® 166MMX Processor - ASUS SP97-V Motherboard with integrated 4MB video & UltraDMA 2.6GB UltraDMA Hard Drive - 32MB EDO RAM 24X CD-ROM - Sound Blaster 16 - 33.6k Fax/Modem - Keyboard - Logitech Mouse - **MS Windows 95**
$899

17" Monitor
Hansol 17PX
.25dp 1600x1200
$499

Paramount Computer is proud to offer:

Sales, repair, upgrades, and parts for all notebooks

Networking solutions (Windows NT & Novell)

Custom systems

Pick-up and Delivery

On-site service

Printer & Monitor Repair

PARAMOUNT COMPUTER
an Intel Preferred Dealer

We now have two locations to serve you!

Pleasant Hill
1630-D Contra Costa Blvd.
(Near Togo's)
Pleasant Hill CA 94523
(510) 680-0204
FAX (510) 680-1013

Fairfield
1293-B Oliver Rd.
(Across from Green Valley Ford)
Fairfield CA 94533
(707) 428-4465
FAX (707) 428-6084

Legal Stuff
One year parts & 3 years labor on all complete systems - Not responsible for typographikul errors - Price and availability subject to change w/o notice - Sale prices are for end user purchase only - All special-ordered items are non-refundable - Shipping, insurance and COD charges are extra and nonrefundable - Pentium is a registered trademark of Intel corp. All other trademarks are the property of their respective owners. The cheetah is the fastest land animal.

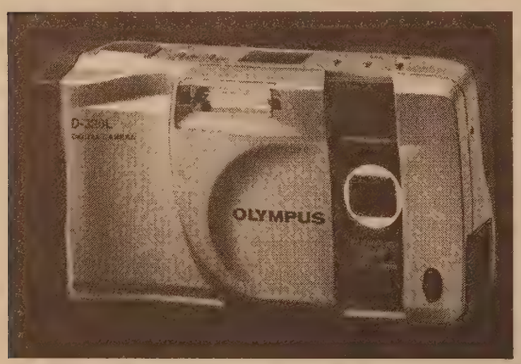
Clockwise from top: Panasonic Clip-On Notebook Camera; Kodak Digital Science DC-210; Epson PhotoPC 600; Olympus D-320L.

Product Announcements *continued...*

element aspherical all-glass f2.8 design with macro capabilities, offers focal lengths of 36mm to 110mm. The D-600L uses a high-quality progressive scan CCD (charged coupled device), that captures the entire image in a single pass to create images of 1280 x 1024 and 640 x 512 pixel resolutions. Images are stored on 4MB SmartMedia removable media from Toshiba (also known as a solid-state floppy disk card) and are easily downloadable to Windows and Macintosh computers via a serial cable, through a PCMCIA adapter, or through a 3.5" floppy disk adapter (available soon from Olympus). The D-600L comes bundled with four AA alkaline batteries, a 4MB SmartCard, serial cable for Mac and/or PC, and software. ($1299) Olympus America, Inc., Two Corporate Center Dr., Melville, NY 11747-3157. 1-800-347-4027. URL: *http://www.olympus.com* .

Olympus D-220L & D-320L Digital Cameras

The new D-220L and D-320L digital cameras succeed the Olympus D-200L and D-300L cameras. Both new models have a smaller,



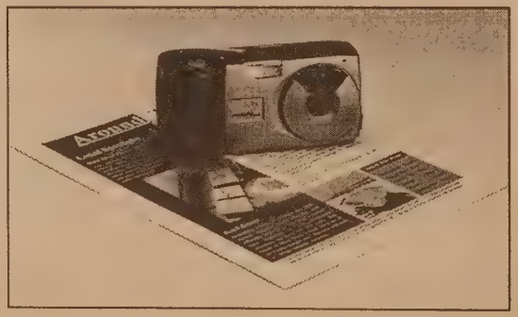
lighter-weight, stylish ergonomic design, and a lower price than its predecessors. The D-220L offers 640 x 480 resolution and the D-320L offers 1024 x 768 resolution. Olympus has added the two most-often requested features: removable media, so there is no restriction on the number of photos that can be taken, and video-out, for easy viewing of photos on a TV. Both cameras feature Olympus' high-quality optics, which includes a five-element all-glass aspherical f2.8 autofocus lens and low compression ratios. They also have a new large 2" smudge-resistant LCD screen. (D-220L, $499; D-320L, $499) Olympus America, Inc., Two Corporate Center Dr., Melville, NY 11747-3157. 1-800-347-4027. URL: *http://www.olympus.com* .

Panasonic Clip-On Notebook Camera

The Panasonic clip-on camera, PM-S122, is one of the first complete, easy-to-use video conferencing systems designed for use with a notebook camera. Both camera and headset connect to an included card that plugs directly into any PCMCIA Type II slot. Smaller than the face of a business card (3.1" x 1.7" x 1.2"), it produces images with resolution of 542 x 497 with 300 TV lines. The headset includes an earphone and an adjustable microphone. An adjustable-focus lens captures subjects as close as 3.8" and out to infinity. For correct exposure in various lighting conditions, the camera adjusts using an automatic gain control and incorporates automatic white balance for optimum color fidelity. It also comes with SmithMicro VideoLink Mail software to create and send audio/video messages as email attachments and White Pine's CU-SeeMe for real-time audio/video communication over standard phone lines. ($549) Panasonic Communications & Systems Co., Two Panasonic Way, Secaucus, NJ 07094. URL: *http://www.panasonic.com* .

Epson PhotoPC 600

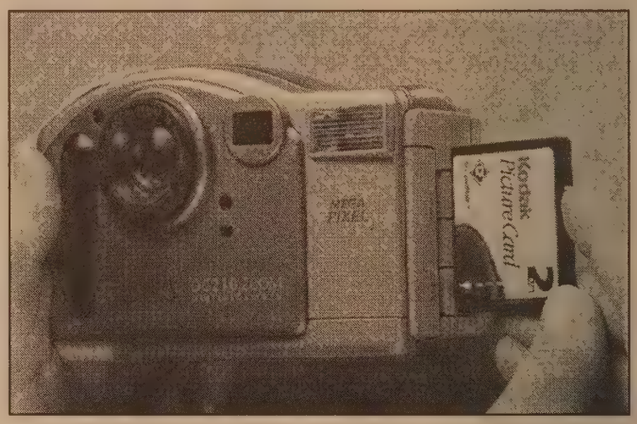
The easy-to-use PhotoPC 600 is an auto-focus camera that captures 1024 x 768 pixel resolution photos. Using advanced image-processing



and enhancement algorithms, Epson's ColorTrue in-camera processing system ensures that each picture captured has excellent color accuracy, saturation, balance, and contrast. It also features auto-exposure and a built-in automatic flash. With the PhotoPC 600, you can frame your pictures using either the traditional optical viewfinder or the built-in, 2" active-matrix color LCD monitor. Pictures can also be played back on the LCD monitor. In addition to the camera, the PhotoPC 600 comes with everything you need to get your pictures into a Windows or Macintosh computer: rechargeable NiMH batteries and recharger, serial communications cable, TWAIN driver, and Image Expert image editing and management software from Sierra Imaging. ($799) Epson America, Inc. 1-800-463-7766. URL: *http://www.epson.com* .

Kodak Digital Science DC210

The Kodak Digital Science DC210 looks and operates like a conventional point-and-shoot



camera. It features a 2X zoom lens, an 1152 x 864 pixel image sensor, and offers drag-and-drop finished file capability. Fully processed images are stored in JPEG or FlashPix film format, enabling users to easily transfer pictures from the camera to the computer. Finished file capability makes the digital camera compatible with virtually any platform, including Sun, Silicon Graphics, Windows, Windows NT, Macintosh, and UNIX systems. A 4MB CompactFlash removable memory card, included with the camera, stores up to sixty pictures. An instant review feature lets users see the picture immediately on the LCD panel and delete if they choose to. ($899) Eastman Kodak Co., 343 State St., Rochester, NY 14650-0403. URL: *http://www.kodak.com* .

QUALITY SERVICE AND SUPPORT

"HOME" MULTIMEDIA INTERNET SYSTEM

- Intel Trinton TX Chiset MB w/512K PLBC
- PCI EIDE Support U-DMA w/IO (16550)
- Mini Tower Case w/ 230 Watt PS
- 16MB 72-Pin EDO Ram • CPU Fan
- Maxtor 2.5GB Utra-DMA IDE HD
- Trident 9685 Chip, TVOUT, PCI w/ 2M
- 33.6 Int. Fax /Modem • Sony 1.44 FD
- 3 Button Mouse • BTC Win95 Keyboard
- 16 Bit Sound Card • Amplified Speaker
- Toshiba 24X CDrom • MS Win95 CD

Monitor not included

AMD

K5-133.....$675
K5-166.....$689
K6-166.....$739
K6-200.....$815
K6-233.....$895

intel

P-166.....$720
P-200.....$795
P-166MMX.....$735
P-200MMX.....$835
P-233MMX.....$965

Cyrix

M2-P166+.....$695
M2-P200+.....$735

"PRO" MULTIMEDIA INTERNET SYSTEM

- Asus TX97 MB w/512K PLBC
- PCI IDE Support U-DMA w/IO (16550)
- Mini Tower Case w/ 250 Watt PS
- 32MB 72-Pin EDO Ram •CPU Fan
- Maxtor 2.1GB Utra-DMA IDE HD
- Diamond 3D 2000 Video w/ 2M EDO
- Rockwell 56KFLEX F/M w/ Voice
- Microsoft Mouse • Fujitsu Win95 KB
- Sound Blaster 16 PnP • 1.44MB FD
- Toshiba 24X CDrom • 80w Amp Spk
- Microsoft Win95 CD

Monitor Not Included

AMD K6

K6-166.....$955
K6-200....$1025
K6-233....$1130

intel

P166MMX.....$945
P200MMX.....$1055
P233MMX.....$1180

Designed for Microsoft Windows NT Windows 95

PRO 2000 SERIES

- Intel ATLANTA AL440LX, AGP MB
- ATX Midium Tower Case w/ PS
- 32MB 60ns EDO Ram • CPU Fan
- Maxtor 2.1GB U-DMA HD
- Matrox Millennium II w/4MB WR, AGP
- USRobotics 56K Int. F/M w/ voice
- MS PS2 Mouse • Keytronic PS2 KB
- Toshiba 24X CDrom • 1.44MB FD
- Yamaha OPL3-SA Sound Card
- 80w Amp Speaker • MS Win95 CD

Monitor Not Included

intel inside

Designed for Microsoft Windows NT Windows 95

Pentium® II 233.....$1675
Pentium® II 266.....$1785
Pentium® II 300.....$2085

LMC SERVER

- Intel Providence Dual Pentium Pro MB
- ATX Full Tower Case w/ 300w PS
- 32 MB (4X72) DIMM • CPU Fan
- Adaptec 2940 Ultra Wide SCSI Cont.
- IBM 4.3GB Utra Wide SCSI HD
- Toshiba 24X CDrom •Sony 1.44MB FD
- Diamond Steath 3D 2000 w/ 2MB
- MS PS-2 Mouse • Fujitsu PS2 KB
- 3Com 900 PCI TP Network Card

Monitor Not Included

intel inside

Designed for Microsoft Windows NT Windows 95

Pentium® Pro180/Dual.....$1395/1590
Pentium® Pro200/Dual.....$1670/2145

WinNT 4.0 WorkStation Add.....$145
WinNT 4.0 5 Client Server Add.....$445

ALL COMPLETE SYSTEMS CARRY 1-YEAR PART & 5-YEARS LABOR WARRANTY

MOTHERBOARDS

- VXPro Chipset MB w/512K MM.....$65
- Intel VX Chipset w/512K, MMX.....$75
- Intel TX Chipset w/512K, U-DMA....$85
- Intel Natoma Chipset, PPro, AT.....$95

ASUS

- VX97 w/512k, MMX.....$95
- TX97 w/512k, U-DMA.....$140
- TX97E w/512k, U-DMA.....$145
- P-II LX97 440LX AGP.....$215
- P/I-XP6NP5 Pro w/256k (ATX).....$215

TYAN

- Tomcat VI 430HX w/512k.....$145
- Tomcat VI 430HX w/512k (Dual CPU Socket).....$190
- Pentium® II 440FX, ATX.....$219
- Pentium® II 440FX (Dual).....$315

intel

- Lonetree, U-DMA, 512K, ATX.....$169
- Anchorage, U-DMA, 512K, ATX....$179
- Portland P-II, 440FX, ATX.....$195
- Atlanta P-II, 440LX, ATX AGP.....$215
- Venus Pentium® Pro, 440FX.....$105
- Dual Pentium® Pro, PR440FX.....$350

CPUs

- Pentium® 133/150.....Call/$95
- Pentium® 166/200.....$125/175
- Pentium® 166/200MMX.....$135/145
- Pentium® 233MMX.....$330
- Pentium® II 233/266.....$455/535
- Pentium® II 300.....$775
- Pentium® Pro 180/200.....$190/465
- AMD K5-133/166.....$85/95
- AMD K6-166/200/233....$135/180/355
- Cyrix M2-P166+/P200+.....$90/135

MEMORY

- 8MB (2X32) 72-pin EDO.....$25
- 16MB (4X32) 72-Pin EDO.....$45
- 32MB (8X32) 72-Pin EDO.....$85
- 64MB (16X32) 72-Pin.....$255
- 16MB (2X64) Dimm.....$65
- 32MB (4X64) Dimm.....$115
- 64MB (8X64) Dimm.....$235

HARD DRIVES

- JTS CHAMP 1.3GB EIDE.....$110
- JTS CHAMP 2.0GB EIDE.....$140
- JTS CHAMP 2.5GB EIDE.....$155
- SAMSUNG 1.2GB EIDE.....$110
- SAMSUNG 2.1GB EIDE.....$145
- NEC 1.6GB EIDE.....$125
- NEC 2.5GB EIDE.....$155
- IBM 4.3GB EIDE.....$210
- IBM 4.3GB UW SCSI.....$355

Quantum

- 2GB U-DMA IDE.....$175
- 3.2GB U-DMA IDE.....$205
- 4GB U-DMA IDE.....$265
- 6.4GB U-DMA IDE.....$315
- 3.2GB Utra SCSI.....$295
- 4.3GB Utra SCSI.....$315
- VIKING 4.5GB UW-SCSI.....$535
- ATLAS II 9.1GB U-SCSI.....$775

Seagate

- 1.6GB EIDE.....$155
- 2.1GB U-DMA IDE.....$165
- 4.5 UW SCSI.....$625
- 9GB Utra SCSI.....$985

FUJITSU

- 1.2GB EIDE.....$115
- 1.7GB U-DMA IDE.....$130
- 2.6GB U-DMA IDE.....$165
- 3.5GB U-DMA IDE.....$205
- 5.2GB U-DMA IDE.....$305
- 4GB SCSI-2.....$525
- 4GB UW-SCSI.....$575
- 9GB UW-SCSI.....$1050

Western Digital

- 1.6GB EIDE.....$145
- 2GB Utra-DMA IDE.....$170
- 2.5GB Utra-DMA IDE.....$190
- 3.2GB Utra-DMA IDE.....$205
- 6.4GB Utra-DMA IDE.....$365
- 2.1GB UW SCSI.....$415
- 4.3GB UW SCSI.....$615

Maxtor

- 1.6GB EIDE.....$125
- 2.1GB Utra-DMA IDE.....$155
- 3.2GB Utra-Dma IDE IDE.....$175
- 4.3GB Utra-DMA IDE $240
- 5.2GB Utra-DMA IDE.....$295
- 7GB Utra-DMA IDE.....$345

PCI VIDEO CARDS

- Trident 9680 1M/2M Dram.....$25/35
- Trident 9685 1M/2M Dram.....$30/40
- S3 Virge 3D 2M/4M Dram.....$45/55

DIAMOND MULTIMEDIA

- Steath 2000 2M/4M Dram.....$55/75
- Steath 3000 2M/4M Vram.....$95/135
- Viper V330 Riva 128 AGP.....$165
- Fire GL Pro 1000 8M AGP.....$205

ATI

- ATI Pro Turbo w/TV 4/8M.....$125/165
- ATI 3D Xpression+ 2M/4M.....$65/80
- ATI Wonder 2M/4M.....$185/215

matrox

- Mystique II w/4M OEM.....$115
- Millennium II 4M WRAM OEM.....$145
- Millennium II WRAM AGP OEM w/4M/8M.....$185/285

MONITORS

- Impression 14" .28.....$165
- Impression 15" .28.....$215
- Impression 17" .28.....$415

ViewSonic

- E641 14" .28.....$195
- E655 15" .28.....$275
- 17EA 17" .28.....$530
- G800 20" .28.....$985
- P810 21" .25.....$1250

MAG

- DX15T 15" 1280 x 1024 .25.....$295
- DJ702 17" 1280 x 1024 .26.....$535
- DX700T 17" 1280 x 1024 .25.....$595

SONY

- 100SX 15" .25.....$325
- 100SF 15" .25.....$350
- 200SX 17" .25.....$590
- 200SF 17" .25.....$635
- 300SFT 20" .30.....$1325

NEC

- A500 15" .28.....$325
- A700 17" .28.....$575
- E1100 21" .28.....$1250

CD-ROM DRIVES

- Teac 524 24X IDE.....$75
- Sanyo 20X IDE.....$68
- Panasonic 585 24X IDE.....$75
- Acer 20/24X IDE.....$68/75
- Goldstar 24X IDE.....$75
- SAMSUNG 24X IDE.....$75
- IMES 24X IDE.....$75
- NEC 24X SCSI.....$130

TOSHIBA

- XM-6102 24X IDE.....$85
- XM-5701 12X SCSI.....$95
- Toshiba DVD Kit.....$325

SONY

- 2 X 6 Recordable CD SCSI.....$275
- 2 X 8 Recordable CD IDE.....$275

SOUND CARDS

- Opti 16 Bit $15
- ESS 16 Bit.....$15
- Yamaha 16 Bit.....$15

CREATIVE

- Sound Blaster 16 PnP.....$39
- Sound Blaster 32 PnP.....$69
- Sound Blaster AWE 64.....$79
- Sound Blaster AWE 64 Gold.....$155

FAX & MODEMS

- Taicom 33.6 Int.....$45
- Taicom 56K Int.....$75
- Supra Express 33.6 Int.....$59
- Supra Express 56K w/Voice.....$95
- Rockwell K56FLEX F/M w/ Voice....$75

U.S. Robotics

- USR 33.6 w/ Voice Int.....$89
- USR 56K w/ Voice Int. OEM.....$145

CONTROLLERS

Adaptec

- 1522 SCSI-2 (ISA).....$75
- 2940AU SCSI-2.....$165
- 2940 Utra SCSI.....$175
- 2940 Utra Wide SCSI.....$195
- 3940 Utra Wide SCSI.....$345

BACKUP UNITS

- CONNER 3.2GB TB.....$165
- CONNER 4GB TB SCSI.....$345
- Colorado T-1000 800MB.....$85
- Colorado T-3000 3.2GB.....$155
- Colorado T-4000 8GB.....$335

Iomega

- 800MB Ditto Drive Int./Ext.....$99/130
- 3.2GB Ditto Drive Int.....$179
- 100MB Zip Drive Ext.....$140
- 100MB Zip Drive Ext. SCSI.....$140
- 1GB Jaz Drive Int. SCSI.....$275
- 1GB Jaz Drive Ext. SCSI.....$375

NETWORKS

- 16 BIT ISA Ethernet Combo.....$15
- 32 BIT PCI Ethernet Combo.....$19
- 32 BIT PCI 10/100 TP.....$50
- Intel Express Pro-100, 10/100 .....$55
- 9/18/24 Port HUB.....$50/90/215

3Com

- 3C509 TP/Combo.....$45/65
- 3C900 PCI TP/Combo.....$70/80
- 3C905 PCI 10/100 TP.....$60
- 3Com Office HUB 16 Port.....$225

MICE & KEYBOARDS

- 3 Button Mouse Serial/PS-2.....$5/8
- Logitech Mouseman (OEM) Serial /PS-2.....$15/19
- Microsoft 2 Button Mouse Serial /PS-2 (OEM).....$20/22
- 104 Win95 Keyboard.....$12
- Mitsumi 104 Keyboard.....$12
- Fujitsu 104 Keyboard.....$15
- Keytronic 104 Keyboard.....$20
- Focus 2001 104 Keyboard.....$25
- Microsoft Natural Keyboard.....$50

CASES & POWER SUPPLY

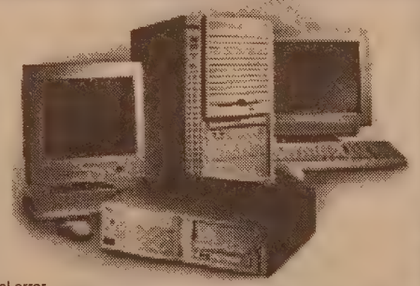
- Mini Tower w/ 230W PS.....$25
- Super Mini Tower w/230W PS.....$35
- Med. Tower w/ 230W PS.....$45
- Full Tower Case w/250W PS.....$55
- Super Full Tower w/300W PS.....$125
- ATX Med. Tower Case.....$65
- ATX Desktop Case.....$75
- ATX Full Tower Case.....$95
- 230W Power Supply.....$20

LEX MICRO COMPUTER

10555 S. DeAnza Blvd. # 125 Cupertino, CA 95014
Ph: (408) 873-3727 Fx: (408) 873-3729

HOURS:
M-F 10AM-7PM
Sat 11AM-4PM

VISA MasterCard AMERICAN EXPRESS DISCOVER



All brand names are registered trademarks of their respecttive owner.
Prices subject to change without notice. Prices reflect cash discount. We're not responsible for typographical error.

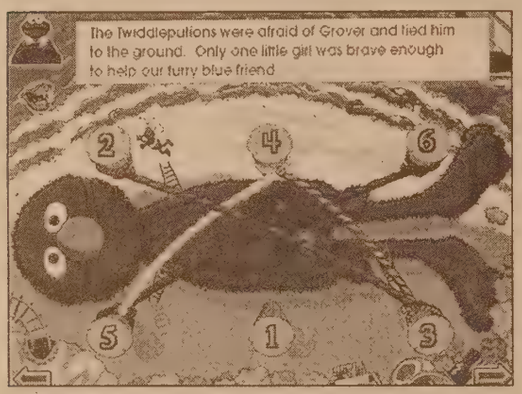
Clockwise from top center: *The Cat in the Hat* from Brøderbund's Living Books series; The Baby-Sitters Club: Clubhouse Activity Center from Creative Wonders; Book Buddies talking companions from VTechSoft, Inc.; the Schoolhouse Rock Essentials series; and Sesame Street Reading Is Fun, both from Creative Wonders.

Product Announcements *continued...*

Educational & Kids Software

Sesame Street Reading Is Fun! Toddler Edition

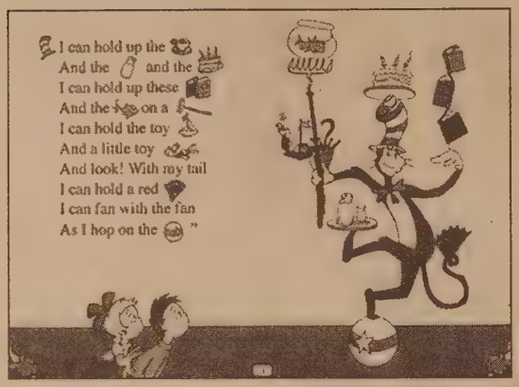
The Toddler Edition gives children ages 2–4 the opportunity to join their favorite Sesame Street friends on reading adventures filled with activities that help build important early-learning skills. In this two CD-ROM set, developed by Children's Television Workshop for Creative Wonders, children and their parents can explore Sesame Street renditions of classic tales: *Grover's Travels* based on *Gulliver's Travels*, and *The Three Grouchketeers* based on *The Three Musketeers*. Sesame Street characters—Elmo, Big Bird,


The Twiddleputions were afraid of Grover and tied him to the ground. Only one little girl was brave enough to help our furry blue friend.

Cookie Monster, Oscar the Grouch, Grover, Telly Monster, and Zoe—welcome toddlers to an interactive journey that promotes positive social themes and introduces early-learning skills. ($34.95, Windows 3.1/Windows 95. Macintosh version available in 1998) Creative Wonders, 595 Penobscot Dr., Redwood City, CA 94063. 1-800-543-9778. URL: *http://www.creativewonders.com* .

The Cat In The Hat

Brøderbund's Living Books series brings children *The Cat in the Hat*, the third Dr. Seuss CD-ROM storybook featuring the most beloved Seuss character of them all—the Cat. For children ages 3–7, this delightful story of two young children and their rainy afternoon takes a whimsical turn when the Cat in the Hat "steps in on the mat." In classic Seussian style, the Cat, along with Thing One and Thing Two, entertain Tommy and Sally as they race around the house wreaking havoc throughout. Exciting games and

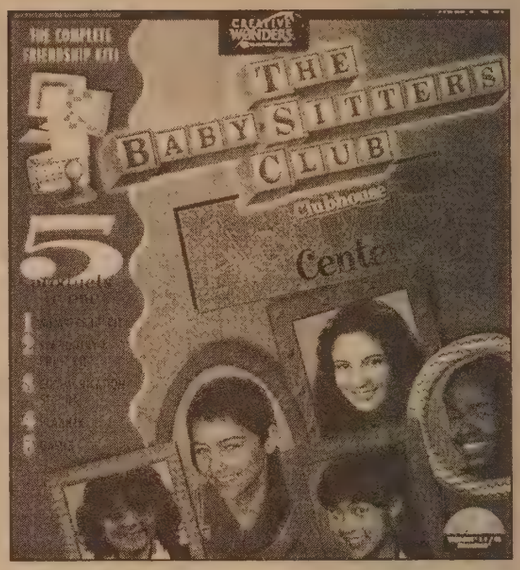

I can hold up the
And the and the
I can hold up these
And the on a
I can hold the toy
And a little toy
And look! With my tail
I can hold a red
I can fan with the fan
As I hop on the "

activities on every page leads to hours of engaging play. Children discover special animated words and enjoy original musical scores as they enter the wacky world of Dr. Seuss. ($34.95, Macintosh/Windows hybrid CD-ROM, a paperback book of *The Cat in the Hat* is included) Living Books, 160 Pacific Ave. Mall, Ste. 201, San Francisco, CA 94111. (415)352-5200. URL: *http://www.broderbund.com* .

Schoolhouse Rock Essentials Series

The Schoolhouse Rock Essentials series integrates the music and magic of the original

Schoolhouse Rock cartoons with grade-specific content in math, reading, language arts, social studies, and science. The first in the series is 1st & 2nd Grade Essentials, created for ages 6–8. Disk one of this two-disk set focuses on math and science topics, while disk two provides activities that develop reading and language arts skills, as well as introduces topics in American history and geography. The second title, 1st–4th Grade Math Essentials, covers four years of math curriculum for ages 6–10. ($34.95, Macintosh/Windows hybrid CD-ROM) Creative Wonders, 595 Penobscot Dr., Redwood City, CA 94063. 1-800-543-9778. URL: *http://www.creativewonders.com* .

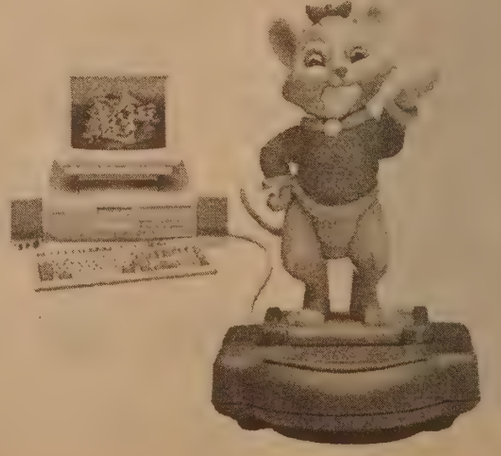


The Baby-Sitters Club: Clubhouse Activity Center

Based on the best-selling book series by Ann M. Martin published by Scholastic, Inc., Clubhouse Activity Center is the first title in The Baby-Sitters Club software line. Designed for girls ages 7 and older, the Clubhouse Activity Center CD-ROM features five separate programs: Stationery and Print Kit, Planner, Communication Station, Membership Kit, and Games. ($29.95, Macintosh/Windows hybrid CD-ROM) Creative Wonders, 595 Penobscot Dr., Redwood City, CA 94063. 1-800-543-9778. URL: *http://www.creativewonders.com* .

Book Buddies

Book Buddies is a series of stories for children ages 4–7 on Windows CD-ROM that come with talking, storytelling companions. Designed to strengthen children's reading, vocabulary, and computer skills, Book Buddies is made up of

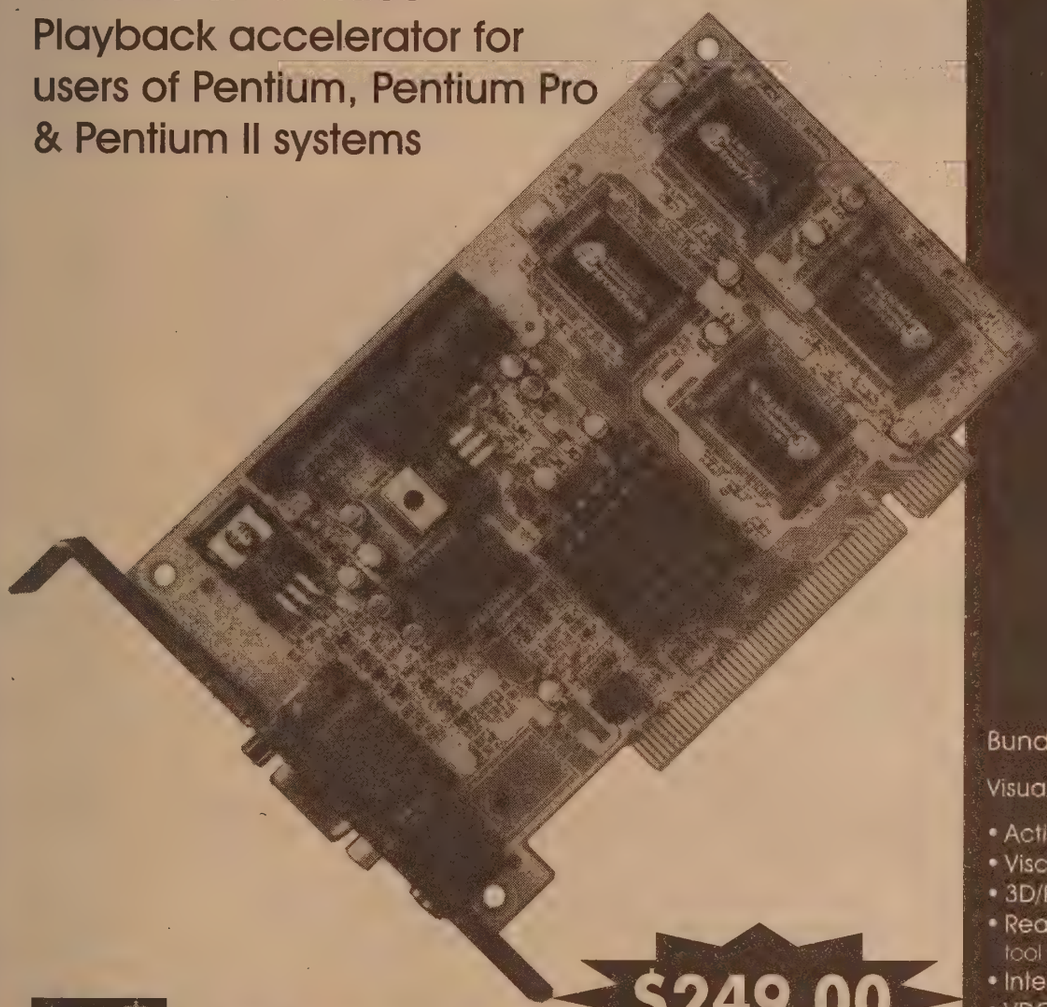


WinFast™

3D L2300-PCI

3D L2300-AGP

Ultimate 3D & Video Playback accelerator for users of Pentium, Pentium Pro & Pentium II systems



Base on 3Dlabs Permedia2 3D graphics engine,, Winfast 3D L2300 integrates robust 3D acceleration and MPEG-2 video acceleration as the best price/performance 3D graphics solution for Pentium II, Pentium Pro and Pentium systems. With support for OpenGL, HEIDI and Direct3D application programming interfaces (API's), the Winfast 3D L2300 is designed to accelerate a broad range of applications such as, 3D authering, animation, 3D VRML web browsers, 3D-intensive games, CAD applications and 3D presentation.

Software Compatibility

3D API's: OpenGL, HEIDI, Direct3D (with full OpenGL Installable Client Driver)

- 3D Studio MAX (Kinetix)
- Microsoft Direct 3D--based aps (Win95)
- OpenInventer (Template Graphics Software)
- Pro/ENGINEER (Parametric Technology Corp)
- I-DEAS Master Series (SDRC)
- SolidWorks 96 (SolidWorks Corp)
- Extreme 3D (Micromedia)
- TrueSpace (Caligari)
- AVS/Express (Advanced Visual Systems, Inc.)
- GameGen II (MultiGen, Inc.)
- OpenGVS (Gemini Technology Corp)
- WorldToolKit and WorldUp (Sense8 Corp)
- Lightscape Visualization System (Lightscape Technology)
- LightWave 3D (Newtek, Inc.)

Bundled Software

Visualiser from Superscape, virtual reality

- ActiveMovie from Microsoft, Internet 3D plugin
- Viscape from Superscape, Internet 3D plug-in
- 3D/FX from Asymetrix, graphics & animation software
- RealiMation STE (Demo) from Datapath, authoring tool
- Internet Explorer from Microsoft, Internet browser
- VDOLive Video Player from VDOnet, Internet Video Playback Plug-in

$249.00

3Dlabs PERMEDIA POWER Pervasive 3D

OpenGL COMPLIANT

Leadtek

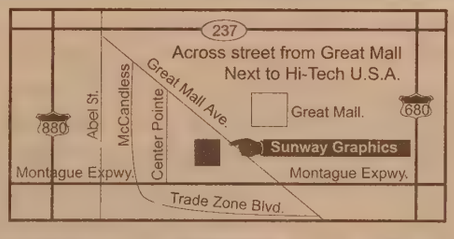
SunwayGraphics

1540 Centre Pointe Dr.
Milpitas, CA 95035
e-mail: sunway@sunwaygraphics.com
www.sunwaygraphics.com

Leadtek Research
Authorized Distributor
Reseller's Inquiry Welcome

Tel: 1(888)299-4268

Fax: (408)946-4133



VISA

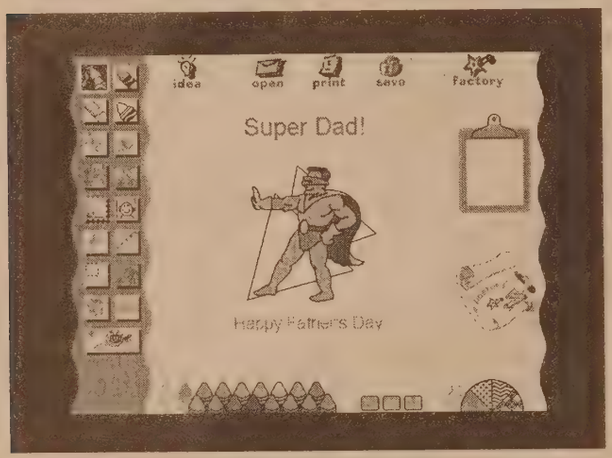
Clockwise from top: Sanctuary Woods' Major League Reading; JumpStart Adventures 5th Grade: Jo Hammet, Kid Detective from Knowledge Adventure; Crayola Print Factory from IBM.

Product Announcements *continued...*

four updated classic stories: *Very Little Red Riding Hood, The Three Billy Goats Gruff, The Three Little Pigs,* and *Jack and the Beanstalk.* The talking companions are 5.5" tall characters that correspond with each story and are mounted onto an audio speaker. The characters join with the narrative to voice the highlighted on-screen story, helping children increase their ability to recognize both spoken and written words. ($49.95) VTechSoft, Inc., 5 Corporate Park Dr., Ste. 210, Irvine, CA 92606-5113. (714)752-6236. URL: *http://www.vtechsoft.com* .

Crayola Print Factory

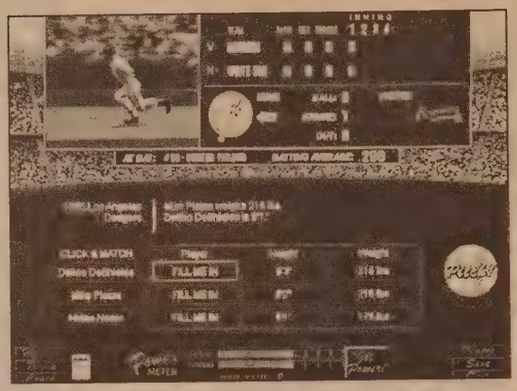
Crayola Print Factory is an all-in-one art and print studio for children ages 5 and older, featuring animated crayon character guides, quick-starts (pre-made projects), ideas (project tips), and a parent/teacher manual. Projects include cards, stickers, banners, finger puppets, and pinwheels. Each 3-D craft prints out with an instruction sheet making the program easier for



young children to use. In addition, ten sheets of heavy stock, glossy, and sticker paper are included to enable children to begin projects right away. ($29.95, for Windows and Macintosh) IBM Corp., Route 100, Somers, NY 10589. URL: *http://www.pc.ibm.com/multimedia/* .

Major League Reading

Featuring real pro baseball facts and statistics licensed from Major League Baseball Properties, Major League Reading is a creative alternative to traditional learning techniques. Designed to challenge reading skills of kids from ages 8–12, the activities cover a wide range of topics including everything from reading comprehension, vocabulary, and spelling to placing paragraphs in the correct order. To play, kids first



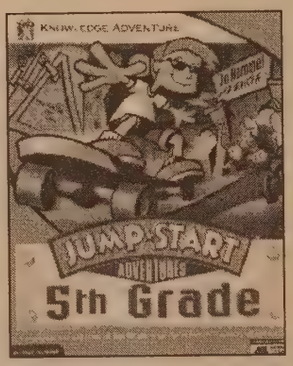
select what pro team to play for and against, with multi-player capability allowing the user to either compete against the computer or a friend. Four levels of difficulty ensure that both parties have an equal chance of winning. Once on the field, kids then select what kind of pitch to throw and, when at bat, whether to swing for a single, go for extra bases or try to drive the ball out of the park. The team's fate depends on how well the user completes a language arts activity based on the program's 1,500 articles. ($29.99, Macintosh and Windows CD-ROM) Sanctuary Woods, 1825 S. Grant St., San Mateo, CA 84402. (415)286-6000. URL: *http://www.ah-hah.com* .

Major League Math, 2nd Edition

This CD-ROM uses the natural connection between math and baseball to provide a unique learning environment for kids ages 8–12. The second edition features several enhancements, including two-player mode for friendly competition, improved game performance, and Pro Packs with up to 28,000 additional questions, which may be accessed by CD-ROM or downloaded from Sanctuary Woods' Web site. Rather than field grounders, players field more than 4,000 questions from the program's database of word problems, tables, and charts, all of which use current Major League Baseball information and statistics. The play also incorporates basic math skills such as addition, subtraction, multiplication, decimals, averages, percentages, fractions, etc.—twenty-two skills in all. For $9.99 per team, users have the opportunity to add as many as 27,000 more questions to game play. ($29.99, Macintosh and Windows CD-ROM) Sanctuary Woods, 1825 S. Grant St., San Mateo, CA 84402. (415)286-6000. URL: *http://www.ah-hah.com* .

JumpStart Adventures 5th Grade: Jo Hammet, Kid Detective

While visiting the Hooverville Arts and History Museum on a field trip, Jo Hammet, a savvy 5th-grade gumshoe, uncovers a sinister plot by the mad genius Dr. X, who intends to destroy the city's factories and power plants. Players join Jo on her skateboard as they cruise the city on a mission to capture Dr. X and save six sabotaged sites in Hooverville. Designed to prepare students for success in middle school, the software includes several brain-twisting, curriculum-building games that cover a full year of fifth-grade curriculum, including language arts, US history, art history, long division, multiplication, decimals, fractions, logic, prepositions, pronouns, and physical science. Using Knowledge Adventure's exclusive Adaptive Learning Technology, JumpStart Adventures 5th Grade automatically adjusts to the student's skill level—keeping kids motivated and challenged as their learning needs change over the course of the school year. ($30, Macintosh and Windows 3.1/95 CD-ROM) Knowledge Adventure. 1-800-542-4240. URL: *http://www.adventure.com* .



Return To Life

Return To Life, a CD-ROM in English for all ages, is the first in a series of multimedia software being produced by the Yad Vashem Holocaust Martyr's and Heroes' Remembrance Authority in Jerusalem. It tells the story of Holocaust survivors in Insael and Diaspora, using filmed testimony, music, text, and photographs. The struggle for survival didn't end with Liberation Day in 1945, the narrator notes. The remnant of the Holocaust had to decide if they wanted to go on, how to reconstruct their lives, and which land to go to. The CD-ROM is divided into thirty-nine topics in five major subject areas: New Start, Affirmation of Life, Whither?, Revenge, and Loss. A helpful navigation icon checks the sections already visited. There is also a database collection of maps showing Jewish losses during the Holocaust,

continued on page 130

Happy THANKSGIVING from all of us @ Truecomp

Monthly Special P150 Multimedia System

- o Pentium MB SuperTX Chipset
- o CPU Heatsink & Cooling Fan
- o 512K Pipeline Burst Cache
- o Intel Pentium 150MHz processor
- o 30MB 60ns RAM EDO (Exp.128MB)
- o Mitsumi 1.44MB 3-1/2" Floppy Drive
- o 3.5Gig ultra DMA EIDE Hard Drive
- o 2 (16550)Serials, 1 Parallel Port
- o On-board built-in SVGA 2MB
- o 12X EIDE CD ROM Drive
- o Stereo 16-bit SC w/wave table
- o 33.6k int. faxmodem w/microphone
- o Medium Tower Case w/PS (SPM)
- o MS compatible serial mouse
- o 14" SVGA Monitor .28 NI (1024x768)
- o 60w stereo speakers w/Sub Woofer
- o Microsoft® Windows 95
- o FREE Family Doctor. Infopedia
- o FREE Grolier 97 Enc. CD
- o FREE Complus, miroMEDIA Manager
- o FREE Microsoft Phone

$888

Terms & Conditions
* 2-year limited parts-only system warranty.
* 1-year monitor warranty (original packaging material require for RMA).
* Lifetime labor warranty & technical support.
* 3% cash discount not apply for check, cashier check or money order.
* Not responsible for typos. Please call for unlisted items.

All logos and trademarks are property of their respective companies. Price subject to change without notice. Price not included tax and shipping charges

FREE

Internet Account from California.NET for two months with system purchase ($39 Value)

Multimedia Notebooks

* Fujitsu LIfebook 535T; P133, 2GB, 16MB, 10X CD, 12.1" TFT, 33.6K, WIndows 95 ..... *$Lowprice*
* Fujitsu Lifebook 635T; P133, 1.3GB, 16MB, 28.8K, 12.1" TFT, Windows 95 ..... *$Lowprice*
* Fujitsu Lifebook 655TX; P150MMX, 1.3G, 16MB, 33.6K, 12.1" TFT, WIndows 95 ..... *$Lowprice*
* Toshiba Portege 660CDT; P150, 1.35G, 16MB, 10X, 28.8K, 11.3" TFT, Windows 95 ..... *$Lowprice*
* Toshiba Satellite 220CDS; P133, 16MB, 1.4G, 10X, 12.1" DSTN, Windows 95 ..... *$Lowprice*
* Toshiba Satellite 440CDT; P120, 16MB, 1.3G, 10X, 11.3" TFT, Windows 95 ..... *$Lowprice*
* Toshiba Tecra 730XCDT; P150MMX, 16MB, 2.1G, 6X, 28.8K, 12.1" TFT, Windows 95 ..... *$Lowprice*
* HP OmniBook 5700CTX; P166MMX, 32MB, 3G, 12.1" TFT, Windows 3.11 or 95 ..... *$Lowprice*

** Please call store for more choices & best prices.*

K5133 Multimedia System

586PCI 430VX Chipset Motherboard
512K Pipeline Burst Cache
CPU heatsink & cooling fan
AMD K5-PR133 Processor
16MB 60ns EDO RAM (Exp. 128MB)
1.44MB 3-1/2" Floppy Drive
2.0Gig EIDE Hard Drive
2 (16550)Serials, 1 Parallel Port
Enhanced PCI IDE Controller
SVGA PCI 1MB EDO
12X EIDE CD ROM & 16-Bit SC
FREE Grolier 97 Enc., CD Games
FREE Computer Stereo Speakers
Mitsumi 104 enhanced Keyboard
Mini Tower Case w/PS
MS Compatible Serial Mouse
Microsoft® Windows 95 (OSR2)

$599

* monitor sold separately

C6200+ Multimedia System

Pentiumt i430VX PCI Motherboard
512K Pipeline Burst Cache
CPU Heatsink & Cooling Fan
Cyrix 6x86-200+ Processor
32MB 60ns EDO Ram (Exp. 128MB)
1.44MB 3-1/2" Floppy Drive
2 (16550)Serials, 1 Parallel Port, 1 PS/2
2.0Gig EIDE Hard Drive
Enhanced PCI IDE Controller
S3 SVGA PCI 1MB EDO
16X EIDE CD ROM & 16-Bit SC
33.6k Internal fax/modem
Keysonic 104 Enhanced Keyboard
Super Mini Tower Case w/PS
Logitech 2-Button Mouse
60Watts Stereo Speakers
Microsoft® Windows 95 (OSR2)

$699

* monitor sold separately

P5150 Multimedia System

Asus TXP4 i430TX Chipset motherboard
512K Pipeline Burst Cache
CPU Heatsink & Cooling Fan
Intel 150MHz Pentium Processor
32MB EDO RAM (Exp. to 128MB)
1.44MB 3-1/2" Floppy Drive
2 (16550)Serials, 1 Parallel Port
2.5Gig ultra DMA/33 EIDE Hard Drive
Ultra DMA/33 Controller
ATI 3D Expression 64 PCI 2MB
16X CD ROM Drive & 16-bit SC
33.6k Internal voice/fax/modem
Fujitsu 104S Enhanced Keyboard
Super Mini Tower Case w/PS
Logitech MouseMan Serial Mouse
Yamaha YST-M7 Stereo Speakers
MS Windows 95 (OSR2)

$859

* monitor sold separately

C6166MX Multimedia System

Abit i430TX Chipset Motherboard
512K Pipeline Burst Cache
Cyrix 6x86MX-166+ Processor w/FAN
32MB EDO RAM (exp. to 256MB)
1.44MB 3.5" Floppy Drive
2 (16550)Serials, 1 Parallel Port
2.1Gig Ultra DMA/33 Hard Drive
Ultra DMA/33 Controller
Diamond Stealth 2000 3D 2MB EDO
16X IDE internal CD ROM
Sound Blaster 16-Bit PnP Sound Card
SupraExpress 33.6K Int. voice/fax/modem
Keytronic 104 Enhanced Keyboard
Premium Medium Tower Case w/PS
Logitech WheelMouse (M-C48) Combo
60watts Stereo Speakers w/Subwoofer
MS Windows 95 (OSR2)

$929

*monitor sold separately

K6200MX Multimedia System

Asus TX97-E 430TX Chipset motherboard
512K Pipeline Burst Cache
AMD K6-PR2/200 CPU w/SMART FAN
32MB EDO RAM (Exp. to 256MB)
1.44MB 3.5" Floppy Drive
2 (16550)Serials, 1 Parallel Port
3.2Gig Ultra DMA/33 Hard Drive
Ultra DMA/33 Controller
ATI 3-D Expression + 2MB PCI
24X IDE internal CD ROM
Sound Blaster AWE64 Value
Powercom 56k internal voice/fax/modem
Focus 2001 Enhanced Keyboard w/cover
Premium Medium Tower Case w/PS
Logitech WheelMouse (M-C48) Combo
60watts Stereo Speakers w/Subwoofer
Microsoft® Windows 95 (OSR2)

$1099

*monitor sold separately

P5166MX Multimedia System

Intel Anchorage i430TX Chipset MB (ATX)
512K Pipeline Burst Cache
Intel 166MHz w/MMX Technology CPU
32MB SDRAM (168-pin)
1.44MB 3.5" Floppy Drive
3.2Gig Ultra DMA Hard Drive (IDE)
2 (16550)Serials, 1 Parallel Port
Ultra DMA/33 Controller
ATI 3D Expression + PC2TV 4MB
24X IDE Internal CD ROM Drive
Sound Blaster AWE64 Gold
SupraExpress 56k int. voice/fax/modem
Yamaha YST-M15 Stereo Speakers
Premium ATX Medium Tower Case w/PS
Fujitsu 104S Enhanced PS/2 Keyboard
Microsoft® PS/2 Ergonomic Mouse
Microsoft® Windows 95 (OSR2)

$1299

* monitor sold separately

P6180 Pro Workstation

ASUS Pro 440FX Motherboard
Intel® 180MHz Pentium® Pro processor
Built-in 256K L2 Cache
CPU Heatsink & Cooling Fan
64MB EDO RAM (Exp. to 128MB)
1.44MB 3-1/2" Floppy Drive
2 (16550)Serial, 1 Parallel, 1 PS/2
3.2Gig Ultra SCSI Hard Drive
Adaptec 2940U Ultra SCSI
Diamond Viper V330 4MB PCI 128-bit
8X SCSI-2 Int. CD ROM Drive
3Com 3C509-TPO ISA PnP
Keytronic 104 Enhanced Keyboard
Premium Mid Tower Case w/PS
Logitech MouseMan Serial Mouse
MS Windows NT 4.0 WS & J++

$1499

* monitor sold separately

P6200D1 Pro Server

Tyan Titan Pro ATX (S1668D)
Dual Pentium Pro Motherboard
(1) Intel® Pentium Pro 200MHz processor
Built-in 256K L2 Cache
CPU Heatsink & Cooling Fan
64MB EDO RAM (Exp. to 128MB)
1.44MB 3-1/2" Floppy Drive
2 (16550)Serial, 1 Parallel, 1 PS/2
4Gig Ultra Wide SCSI Hard Drive
Adaptec 2940UW Ultra Wide SCSI
Diamond Stealth 3D 2000 4MB EDO
12X SCSI-2 Internal CD ROM
3Com Etherlink Pro10/100 PCI
Fujitsu104E Enhanced Keyboard
Premium Full Tower ATX Case w/PS
Logitech MouseMan PS/2 Mouse
MS Windows NT 4.0 Server w/5 users

$2799

* monitor sold separately

P2233/MMX Multimedia System

Intel Atlanta 440LX AGP Motherboard
Intel® 233MHz Pentium® II processor
MMX technology w/512K L2 Cache
CPU Heatsink & Cooling Fan
64MB SDRAM 168-PIN 10ns
1.44MB 3-1/2" Floppy Drive
2 (16550)Serial, 1 Parallel, 1 PS/2
4.3Gig UDMA/33 EIDE Hard Drive
Iomega Zip 100MB IDE Internal
Ultra DMA/33 Controller
Diamond FireGL Pro 1000 AGP 8MB
24X IDE CD Rom & SB 16 3D PnP
USR Sportster 56K internal fax/modem
Fujitsu104E Enhanced Keyboard
Premium Medium Tower ATX Case w/PS
Logitech WheelMouse (M-C48) Combo
MS Windows NT 4.0 WS & J++

$1999

* monitor sold separately

Special Service

****

TRUECOMP offers local delivery and setup for only $75.00*

*Within 50miles radius

On-Site service is now available with special rates. Please call our store for more information.

****

MONITORS

Sampo 14" 1024x768 .28 NI	$165
Sampo 15" 1280x1024 .28 NI	$245
Sampo 17" 1280x1024 .28 NI	$445
Huyndai 15" 1280x1024 .28 NI	$249
Huyndai 17" 1280x1024 .28 NI	$455
Viewsonic 15GS 1280x1024 .28 NI	$329
Viewsonic G771 1280x1024 .27 NI	$535
Viewsonic 17PS 1280x1024 .26 NI	$665
Sony 100SX 1280x1024 .25 NI	$339
Sony 200SX 1280x1024 .25 NI	$619
All other monitors	please call for prices.

PRINTERS

Epson Stylus Color 600	$299
Epson Stylus Color 800	$399
HP Color InkJet 672C/694C	$199/269
HP Color InkJet 722C/890Cse	$349/449
HP Color InkJet 1000Cse	$499
HP OfficeJet 590 4-in-1	$595
HP OfficeJet Pro 1150C Color	$899
HP LaserJet 5/5M/5N	$999/1525/1285
HP LaserJet 6Lxi	$389
HP LaserJet 6Pxi	$745
HP LaserJet 6MP	$879

NETWORKING

3COM EtherLink III TPO/COMBO	$65/75
3COM EtherLink III Pro10/100 PCI	$79
3COM EtherLink III PCI Combo	$115
Intel EtherExpress Pro 10+ ISA	$85
Intel EtherExpress Pro100 PCI	95
5-port HUB	$65
8-port HUB	$89
LanPro 16-port HUB	$199
Maxtech 16-port HUB	$219
NE2000 ISA PnP Combo	$25
SMC NIC TPO/TP/COMBO	$69/89/105

TAPE BACKUPS

Colorado T3000 3.2GB Int.	$189
Colorado T4000S 4GB SCSI-2 Int	$369
FC-20 Tape Backup controller	$68
Conner 2/4GB IDE/SCSI int.	$225
Mitsubishi 120MB LS drive	$139
Iomega Zip 100MB Parallel/SCSI Ext.	$139
Blank Cartridge ZIP/Jaz	$14/109
Iomega Jaz 1gig SCSI Int/Ext	$299/399
Iomega Jaz traveler Kit	$49
SyJet 1.5GB SCSI Int. (oem)	$299
SyJet 1.5GB SCSI Int/Ext. (Ret)	$379/485

CONTROLLERS

adaptec AHA-2940u (oem) w/kit	$175
adaptec AHA-2940UW (oem) w/kit	$199
adaptec AHA-2944UW (oem) w/kit	$call
adaptec AHA-3040UW (oem) w/kit	$call
FirePort 40 Ultra Wide SCSI	$159
SC-200 (for ASUS MB)	$75

MODEMS

Powercom 56K voice/fax/data int.	$79
SupraExpress 56k voice/fax/data int.	$89
USRS 33.6/56k voice/fax/data int.	$85/149

TRUECOMP AMERICA COMPUTER CENTER

1264 So. Bascom Ave., San Jose, CA 95128
(between Moorpark & Stokes Ave, near 280 & 880)

DISCOVER VISA

Voice: (408) 292-8889
Fax: (408) 292-6199
Tech: (408) 292-6194
truecomp@pacbell.net
www.truecomp.com

Mon-Fri 9:30AM-7:00PM
Sat 10:00AM-5:00PM
Closed Sundays & Holidays

Business, Corporate and Student discount programs

3M
TR-1 Blank Cartridge for Colorado T3000
$19.95
Limit 5 per cust

Since 1985 the Best Service in the Bay!

We Carry Intel, Anchorage, Atlanta, Tucson & Portland Providence Motherboards

ECI P5 WORKSTATION PARTNER

- Intel 430 VX **Shuttle Hot 555A Board**
- Intel/AMD Pentium® CPU (75-233MMX)
- 512K Pipeline Burst L2 Cache
- 16MB Memory
- 1.44MB Floppy Drive
- 1.2GB Hard Drive
- 8x IDE CD-ROM Drive
- S3 64 Bit PCI SVGA w/1MB
- Mini-Tower Case w/230W P.S.
- 104 Key Win95 Keyboard
- Mouse w/Mouse Pad
- Windows 95 (OEM, CD Ver.)
  Monitor Not Included

166MHz MMX $589
200MHz MMX $695
AMD K6-200 .....$649
AMD K6-233.....$CALL

ECI P5 HOME PARTNER W/33.6 FAX/MODEM MULTIMEDIA

- Intel 430VX **Shuttle Hot 55A Board**
- Intel/AMD Processor w/CPU Fan
- 512KB Pipeline Burst L2 Cache
- 16MB RAM, Exp. to 128MB
- 1.44MB Floppy Disk Drive
- 1.7GB EIDE Hard Disk Drive
- 8X EIDE CD-ROM Drive
- 16-Bit 3D Sound Card
- S3 64 SVGA Card w/2MB DRAM
- 33.6 Internal Data/Fax Modem
- Mini-Tower Case w/230W PS
- Multimedia Speakers (80W) #69IN
- Enhanced 104-Key Keyboard
- Mitsumi Serial Mouse w/Pad
- Windows 95 (OEM CD-ROM Ver.)
  Monitor Not Included

166MHz MMX.....$699
200MHz MMX.....$789
AMD K6-200.....$739
AMD K6-233 .....$CALL

ECI P6-Intel ATLANTA PENTIUM® II MMX ULTIMATE PARTNER

- Intel Pentium® II MMX CPU w/512K L2 Cache
- Intel AL 440LX **"Atlanta"** "ATX" Board
- 32MB SDRAM DIMM Exp to 384MB
- 1.44MB Floppy Disk Drive
- 4.3GB Hard Disk Drive
- 24X EIDE CD-ROM Drive
- **Sound Blaster AWE 64 Value (OEM)**
- 2 - PCI EIDE Controller & FDC on Board
- 2 - USB, 2 - 16550 Serial & EPP on Board
- **ATI Expert AGP w/4MB SGRAM**
- 56K Internal Data/Fax Modem (USR OEM)
- "ATX" Mid Tower Case w/235 W.P.S.
- Yamaha M15 Multimedia Speakers
- Enhanced 104-Key PS/2 Keyboard
- Microsoft PS/2 Mouse
- Windows 95 (OEM, CD-ROM Version)
  Monitor Not Included

P6 233MHz $1729
P6 266MHz $1859
P6 300MHz $2095

ECI P6-ASUS PENTIUM® II WINDOWS NT SERVER PARTNER

- Intel Pentium® II MMX CPU w/512K L2 Cache
- Intel 440LX **ASUS** "ATX" Board
- 32MB SDRAM DIMM Exp to 384MB
- 1.44MB Floppy Drive
- **6.4GB Ultra IDE Hard Drive**
- 24X EIDE CD-ROM Drive
- 2-PCI EIDE Controller & FDC on Board
- **Sound Blaster AWE 64 Value PnP (OEM)**
- **Diamond Viper v330 AGP SGRAM 4MB**
- 56K Internal Fax/Modem (Diamond)
- "ATX" Mid Tower Case w/235W PS
- Yamaha M15 Multimedia Speakers
- Enhanced 104-Key PS/2 Keyboard
- Microsoft PS/2 Mouse
- Windows 95 (OEM, CD-ROM Version)
  Monitor Not Included

P6-233MHz $1779
P6-266MHz $1899
P6-300MHz $2139

IBM®

300GL											
628273 U	D.T	166MMX	32MB	256K	2.5GB	OPT	CIRRUS LOGIC		WIN 95	**$1369**
628266 U	D.T	200MMX	32MB	256K	2.5GB	16X	CIRRUS LOGIC		WIN 95	**$1639**
300PL										
656238 U	D.T	200MMX	32MB	512K	4.2GB	24X	MATROX MYSTIQUE		WIN 95	**$1895**
656250 U	D.T	233MMX	32MB	512K	4.2GB	24X	MATROX MYSTIQUE		WIN 95	**$2079**
659216 U	D.T	166MMX	32MB	512K	2.5GB	OPT	MATROX MYSTIQUE		WIN 95	**$1639**
659284 U	D.T	200MMX	32MB	512K	OPT	OPT	MATROX MYSTIQUE		WIN 95	**$1695**
300XL										
658810 U	D.T	P-II 233	32MB	512K	2.5GB	16X	S3 TRIO64		WIN 95	**$2379**
658812 U	D.T	P-II 233	32MB	512K	2.5GB	OPT	S3 TRIO64		WIN 95	**$2089**
658851 U	D.T	P-II 233	32MB	512K	4.2GB	16X	S3 TRIO64		WIN 95	**$2649**

All Models Include Keyboard & Mouse

*PLEASE CALL FOR OTHER MODELS *MONITOR SOLD SEPARATELY *3-YEAR WARRANTY

ECI P5-Intel Anchorage w/MMX Technology Multimedia Partner

- **Intel Anchorage ATX w/430TX Board**
- Intel Pentium® **w/MMX Technology CPU**
- 512K Pipeline Burst L2 Cache
- 32MB 60ns DIMM Exp. to 256MB
- 1.44 MB Floppy Drive
- 2.5GB EIDE Hard Drive
- 24X Speed EIDE CD-ROM Drive
- **Yamaha OLP4 SA Audio on Board**
- 56K Internal Fax/Modem (Diamond)
- **ATI 64 Bit 3D w/2MB EDO on Board**
- ATX Tower Case w/235W Power Supply
- Multimedia Speakers 80W #881
- ECI 104 Keyboard w/PS/2 Style
- Microsoft OEM PS/2 Mouse w/Pad
- Windows 95, CD-ROM Ver.
  Monitor Not Included

166MHz MMX.....$969
200MHz MMX.....1069
233MHz MMX.....1159

ECI P-5 OFFICE Partner Multimedia w/33.6 Fax/Modem

- Intel 430TX **Shuttle Hot 569 Board**
- Intel Pentium® Processor (75-233MMX)
- 512K Pipeline Burst L2 Cache
- 32MB RAM, Exp. to 256MB
- 1.44 MB Floppy Drive
- 3.1GB EIDE Hard Drive
- 16X EIDE CD-ROM Drive
- **Sound Blaster AWE 64 Value (OEM)**
- 33.6kbps Internal Fax/Modem (USR)
- Diamond Stealth 64 PCI w/2MB DRAM
- Mid-Tower Case w/230W P.S.
- Multimedia Speakers 80W #881
- Enhanced 104 Key Keyboard
- Microsoft OEM Serial Mouse w/Pad
- Windows 95 (OEM, CD-ROM Ver.)
  Monitor Not Included

166MMX.....$959
200MMX.....1069
233MMX.....1169

hp

D4596 B	D.T	200MMX	32MB	NO	2.5GB	24X	YES	2MB	WIN 95	**$1679**
D5631 A	D.T	200MMX	16MB	NO	2.5GB	OPT	NO	2MB	WIN 95	**$1469**
D3991N	D.T	166MMX	32MB	NO	2.5GB	8X	YES	2MB	WIN 95	**$1789**
D3993 A	D.T	200MMX	16MB	NO	2.5GB	8X	YES	2MB	WIN 95	**$1729**
D4731 A	M.T	166MMX	16MB	NO	2.5GB	16X	NO	1MB	WIN 95	**$1479**
D4735 A	M.T	166MMX	24MB	33.6K	2.5GB	16X	YES	1MB	WIN 95	**$1529**
D4737 A	M.T	200MMX	32MB	33.6K	3.8GB	16X	YES	2MB	WIN 95	**$1899**
D5085 A	M.T	200MMX	24MB	NO	2.5GB	16X	NO	1MB	WIN 95	**$1639**
D5220 B	M.T	166MMX	16MB	NO	2.5GB	24X	YES	2MB	WIN 95	**$1496**
D5221 B	M.T	200MMX	32MB	NO	2.5GB	24X	YES	2MB	WIN 95	**$1739**
D5493 B	D.T	166MMX	16MB	NO	1.6GB	NO	NO	2MB	WIN 95	**$999**
D5495 B	D.T	200MMX	16MB	NO	1.6GB	NO	NO	2MB	WIN 95	**$1119**

All Models Include Keyboard & Mouse

*PLEASE CALL FOR OTHER MODELS *MONITOR SOLD SEPARATELY *3-YEAR WARRANTY

FAX MODEMS

US Robotics
The Intelligent Choice In Data Communications
33.6/Sportster V.34 Int/Ext #840/839 ..... $115/135
56K Courier Int/Ext $239/299
56K/Sportster Int/Ext $175/189
56K/Sportster w/Voice Int/Ext $199/219

MOTOROLA
Bit Surfer Pro ISDN Ext $299
56K Modem Surfer Int/Ext $109/125
56K Voice Surfer Int/Ext $115/129

DIAMOND
56K Fax Modem w/Voice Int $115

ETHERNET CARDS

3Com
3COM 3C509 B-TPO/Combo ISA. $49/79
3COM 3C900 PCI TP/Combo $69/85
3COM 3C905TX PCI 10/100 TP/5 Pack $69/329

intel
PILA 8465B Pro 100 PCI/5 Pack $55/265

SMC
Ether EX PnP 16-Bit ISA 8416BT Combo $69
9432TX 100BaseTX $69
5312TX 12-Port 100TX Hub $739

MOTHERBOARDS Call for Products Not Listed (CPU Not Included)

intel®
Portland Pentium® II "ATX" 440FX $165
Portland Pentium® II w/Audio 440FX $179
Providence Dual Pentium® Pro 440FX $339
Atlanta Pentium® II "ATX" AL440LX $189
Atlanta Pentium® II "ATX" AL440LX w/Audio ... $209
Anchorage w/512K/Audio/ATI 2MB 430TX $215
Anchorage w/512K & Audio 430TX "ATX" $189

ASUS
VX97 P75-200 430VX (Supports MMX) $99
TX97XE P75-200 430TX (ATX) $165
P2L97 Pentium® II DUAL 440LX "ATX" $449
P2L97 SCSI Pentium® II ATX 440LX $269
P2L97 Pentium® II ATX 440LX $189

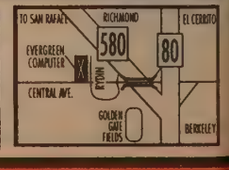
SuperMicro USA
P6DKF Dual Pentium® II 440FX $335
P6SKS Pro Pentium® II w/2940UW ATX 440FX $329

Shuttle (Spacewalker)
HOT-631 Pentium® II ATX 440LX $185
HOT-559 P75-200 w/2940UW ATX 430VFX ... $219
HOT-555A 512K P75-233MMX 430VX $99
HOT-569 512K P75-233MMX/AMD K6 430TX . $109

EVERGREEN Computer International, Inc.

2700 Rydin Road #C, Richmond, CA 94804
(510) 526-8667 **FAX (510) 526-1447**
E-mail eci@bacbell.net

VISA MasterCard DISCOVER POs



Computer/Printer Upgrades & Repair Specialists!

Authorized Dealer for HEWLETT PACKARD · Microsoft · brother · IBM · intel

NOTEBOOKS

HEWLETT PACKARD FUJITSU

IBM HITACHI MOBILIZED COMPUTING

TOSHIBA NOTEBOOK

MODEL#	CPU		HD	RAM	CD	MDM	SCREEN	PRICE
220 CDS	133	1.3	16	10X	NO		12.1DSTN	$CALL
440 CDT	133MMX	1.4	16	10X	33.6		12.1TFT	$CALL
440 CDX	133MMX	1.4	16	10X	NO		12.1TFT	$CALL
460 CDT	166MMX	2.1	32	10X	33.6		12.1TFT	$CALL
510 CDT	133	2.1	16	10X	28.8		12.1TFT	$CALL
730 XCDT	150MMX	2.1	16	10X	28.8		12.1TFT	$CALL
740 CDT	166MMX	3.0	16	10X	28.8		13.3TFT	$CALL

HEWLETT PACKARD OMNI BOOK

MODEL#	CPU		HD	RAM	CD	MDM	SCREEN	PRICE
800 CT F1360A	166MMX	2.0	16	8X	NO		10.4TFT	$3629
2000 CT F1373A	133MMX	1.8	16	NO	NO		12.1TFT	$2495
2000 CS F1371A	133MMX	1.3	16	NO	NO		12.1DSTN	$1929
5700 CT F1352A	150MMX	1.8	16	NO	NO		12.1TFT	$2759
5700 CTX F1355 A	166MMX	1.8	16	NO	NO		12.1TFT	$3019

IBM THINK PAD

MODEL#	CPU		HD	RAM	CD	MDM	SCREEN	PRICE
380 D 26353AU	150MMX	2.1	16	8X	NO		12.1TFT	$2559
386 E 263540 U	150MMX	2.1	16	OPT	NO		12.1DSTN	$2019
380 ED 26356 AU	66MMX	3.0	16	8X	NO		12.1TFT	$3295
560 E 264030 U	150MMX	2.1	16	NO	NO		11.3DSTN	$2195
264040 U	166MMX	2.1	16	NO	NO		12.1TFT	$3659
760 XL 9547U9C	166MMX	2.1	16	OPT	NO		12.1TFT	$3669
765 D 9546U9H	166MMX	3.0	32	8X	NO		13.3TFT	$4795
760 XD 9546U9E	166MMX	3.0	32	8X	NO		12.1TFT	$4239

FUJITSU LIFE BOOK

MODEL#	CPU		HD	RAM	CD	MDM	SCREEN	PRICE
535 TX	133MMX	2.0	16	20X	33.6		12.1TFT	$2319
555 TX	150MMX	2.0	16	10X	33.6		12.1TFT	$2239
565 TX	166MMX	2.0	32	20X	33.6		12.1TFT	$3369
655 TX	150MMX	1.3	16	8X	33.6		12.1TFT	$2979

HITACHI VISION BOOK

MODEL#	CPU		HD	RAM	CD	MDM	SCREEN	PRICE
4150 X	150MMX	1.4	16	10X	33.6		12.1DSTN	$2169
4360 X	166MMX	2.1	16	10X	33.6		12.1TFT	$2439
7340	133MMX	1.4	16	10X	56K		12.1TFT	$2095
7360	166MMX	2.1	32	10X	56K		12.1TFT	$3469
8560	166MMX	2.1	16	10X	56K		13.3TFT	$3859
MX166T	166MMX	2.1	16	8X	33.6		12.1TFT	$2439

*PLEASE CALL FOR ANY MODEL NOTEBOOK INFORMATION

SVGA LCD Projectors

Model	LCD Type	ANSI Lumens	Proj. Size	True Res.	Price
NEC MT 800	3-Panel	370	20"-400"	800x600	$5795
Infocus LitePro 220 D	1-Panel	250	33"-250"	800x600	$3895
3M MP 8030	3-Panel	500	20"-300"	800x600	$5259
Proxima DP9100	1-Panel	300	52"-161"	1024x768	$10125
ViewSonic PJ800	3-Panel	550**	20"-300"	800x600	$4595

PC HARD DRIVES

Quantum

3.2GB UIDE 3324OST-A	$215
4.3GB UIDE 34320ST-A	259
6.4GB UIDE 36480ST-A	339
2.1GB SCSI ST32160S	249
3.2GB SCSI ST3240S	315
4.5GB SCSI QM 34550SW	589

FUJITSU

1.2GB EIDE M1636TAU	$129
1.7GB EIDE M1623TAU	139
2.6GB UIDE 3026AT	179
4.3GB UIDE 3043AT	245

Maxtor

7.0GB UIDE 87000D	$349
8.4GB UIDE 88400D	419

WESTERN DIGITAL

1.6GB EIDE 21600	$159
2.0GB EIDE 22000	179
3.1GB UIDE 33100	205
4.3GB UIDE AC34300	249
5.1GB UIDE 35100	315
6.4GB UIDE 36400	335

Seagate

1.2GB EIDE ST31276A	$149
1.7GB EIDE ST31720A	155
2.1GB UIDE ST32122A	179
3.2GB UIDE ST33240A	205
9.0GB SCSI ST19171N	929
9.0GB WSCSI ST19171SW	949

CD-ROM DRIVES

TOSHIBA

24X IDE XM-6102B	$95
DVD ROM/MPEG-2 Kit	319
12X SCSI XN-5701B	115

PANASONIC

24X IDE CR585	$89
8X SCSI CR506S	85

SONY

16X IDE CDU511	$85

EXTERNAL SCSI DRIVE CASES

- High Quality Metal Cases
- Noise-Free Fan
- External SCSI ID Switch

3.5" or 5.25" SCSI-I	$49/55
Two (2) 5.25" SCSI-I/II/III	85/115/129
Four (4) 5.25" SCSI-I/II/III	105/139/159
Eight (8) 5.25" SCSI-I/II/III	215/259/289

APC

AMERICAN POWER CONVERSION

BACKUP POWER SUPPLIES AT

APC 280VA Back-UPS	$109
APC 450VA Back-UPS	199
APC 600VA Back-UPS	259
APC 1000 Backup-UPS Pro	385
APC 1000 Smart-UPS	469
APC 1400 Smart-UPS	599

MONITORS

PANASONIC

15"	P15	1280x1024	.27	$325
17"	S17	1280x1024	.27	569

SAMSUNG

17"	700S	1280x1024	.28, AT 60Hz	519
17"	17GLSi	1600x1200	.26, AT 68Hz	669
20"	20GLSi	1600x1200	.28, AT 66Hz	1235

HITACHI

15"	CM500U	1280x1024	.28	299
17"	CM620U	1280x1024	.28	529
17"	CM630	1600x1200	.22	619
19"	751	1600x1200	.22	979
21"	CM800U	1600x1200	.22	1259
21"	CM803U	1800x1440	.22	1595

VIEWSONIC

14"	E641	1024x768	.28	$209
15"	15GS	1280x1024	.28	309
15"	E655	1280x1024	.28	285
17"	G771	1280x1024	.27	519
17"	G773	1280x1024	.26	545
17"	17PS	1600x1280	.27	645
20"	G800	1600x1280	.28	969
20"	GT800	1600x1280	.30	1129
21"	P810	1600x1280	.25	1269
21"	P815(New)	1800x1440	.25	1419

SONY

15"	100SX	1280x1024	.25	$339
15"	100SF	1280x1024	.25	359
17"	200SX	1280x1024	.25	595
17"	200SF	1280x1024	.25	649
20"	300SFT	1600X1200	.25	1379

NEC

15"	M500	1280x1024	.25	379
17"	P750	1280x1024	.25	779
17"	XV17+	1280x1024	.28	645
17"	A700	1280x1024	.28	$579
21"	P1150	1600x1200	.28	1349

TAPE BACKUPS

Seagate TAPE DRIVES

3.2GB Internal w/Tape	$199
8.0GB Internal SCSI STD 28000n DAT	779

HEWLETT PACKARD

4.0GB SCSI 4mm DAT C1536A Int	$619
8.0GB SCSI 4mm DAT C1528H Int	929
24GB SCSI 4mm DAT C1555A Int	1349
3.2GB T-3000 Internal w/Tape	185
8.0GB T-4000S SCSI II w/Tape	369

SYQUEST TAPE DRIVE

230MB EZ Flyer IDE Int	$149
230MB EZ Flyer Parallel Ext.	149
230MB EZ Cartridge 1 pcs/10 Pak	19.95/179
1.5GB SYJET SCSI Int	289
1.5GB SYJET SCSI Ext	369
1.5GB SYJET Parallel Ext	369
1.5GB SYJET IDE Int	289
1.5GB SYJET Cartridge 1 pcs/3 Pak	99/269

iOMEGA ZIP/JAZ DRIVE

100MB Zip Drive IDE Internal (OEM)	$129
100MB Zip Cartridge 3 Pak/10 Pak	45/109
1GB JAZ Drive Int./Ext. SCSI	295/379
1GB JAZ Cartridge 1PCS/5 Pak	95/429
5 Pak/10 Pak	439/860

PRINTERS

HEWLETT PACKARD

LASERJET PRINTERS

6LXi, 1MB, 6ppm, 600dpi	$389
6PXi, 2MB, 8ppm, 600dpi	739
6MP, 3MB, 8ppm, 600dpi	885
4V, 4MB, 16ppm, 600dpi	1769
4MV, 12MB, 16ppm, 600dpi	2595
4000 4MB, 17ppm, 1200dpi w/2 Trays	1195
4000T 4MB, 17ppm, 1200dpi w/3 Trays	1339
4000N 8MB, 17ppm, 1200dpi w/2 Trays	1519
4000TN 8MB, 17ppm, 1200dpi w/3 Trays	1639
5Si, 4MB, 24ppm	2419
5SiMX, 12MB, 24ppm	3419
Color LaserJet 5, 20MB 7B, 3 Color	3779
Color LaserJet 5M, 36MB, 7B, 3 Color	4769

DESKJET PRINTERS

670C 600x600	$225
692C 600x600	289
890CXI 600x600, 9ppm	439
1000CXi 600x600 up to 11x17 Paper	489
1600C 600x600	1289
1600CM 600x600 w/PS	1889

EPSON

LQ-2070 Plus 24 Pin 135 Columns	$399
LQ-570 Plus 24 Pin 80 Column	269
STYLUS Color 400 720x720 4 Black 3 Color	215
STYLUS Color 600 1440x720 6 Black 4 Color	289
STYLUS Color 800 1440x720 8 Black 7 Color	379
STYLUS 1520 Support 17"x22" 1440DPI	795

SCANNERS

ScanJet 5S 600DPI 24 Bit Color	$209
ScanJet 5P 1200DPI 36 Bit Color	299
ScanJet 6100C 2400DPI 45 Bit	729
Network ScanJet 5 1200DPI	2349
UMAX	
ASTRA 600P 600DPI 30 Bit Parallel	159
ASTRA 600S 600DPI 30 Bit SCSI	199
ASTRA 1200S 1200DPI 30 Bit SCSI	529
EPSON	
EXP636PC 600DPI 36 Bit SCSI	799

HP TONER CARTRIDGES

HP 92275A HP IIP, IIP+, IIIP	$79
HP 92295A HP IID, II, III, IVD	69
HP 92291A HP IIISi, IVSi	119
HP 92298A HP4 4+, 4M, 4M+, 5, 5N, 5M	99
HP 92274A HP4L, 4P,4MP	65
HP C3903A HP 5P, 5MP, 6PXi	81
HP C3906A HP 5L, 6LXi	65

VGA CARDS

ATI	
3D Xpression 2MB EDO PCI	$65
3D Xpression 2MB PCI SG RAM	75
3D Xpression 4MB PCI SG RAM	95
DIAMOND	
Alliance 2MB DRAM PCI	$45
Stealth 64 2MB VRAM (3240)	95
Stealth 64 4MB VRAM (3400)	135
OTHERS	
S3 (765) PCI w/2MB MPEG	$39
MATROX	
Millennium II 1600x1280 (OEM) 4MB/8MB WRAM (up to 16MB)	$CALL/CALL
Upgrade module for Millennium 4/8/12MB	$135/215/295
Matrox Mystique 220 2/4MB SGRAM	$109/129

HOURS: M-F 9-5:30 Sat 10-4

3 Years Labor, 1 Year Parts Warranty on Evergreen Computers.
Prices subject to change w/o notice.
Not responsible for typos.
Pentium® is a registered trademark of Intel Corp.
PRICES BASED ON CASH PRICES ONLY

We Repair Any Laser or DeskJet Printer

(510) 526-8667

FAX (510) 526-1447 e-mail: eci@pacbell.net

EVERGREEN

Product Announcements *continued from page 126*

displaced persons camps, and "illegal immigration" embarkation ports; a lexicon of terms; and a timeline showing major events from Hitler's rise to power to 1957, when the last death camp, Fuhrenwald, was shut down. (Online Price, $99: List Price, $139) Torah Educational Software, 21 Main St., Monsey, NY 10952. (914)356-1343, 1-800-925-6853. URL: *http://www.jewishsoftware.com* .

Just Grandma and Me

Brøderbund Software's Living Books has introduced the CD-ROM version of *Just Grandma and Me* by Mercer Mayer, an interactive chil-

dren's storybook that takes users on a fun-filled trip to the beach with Little Critter and his Grandma. Features include the Sticker Challenge, where kids can drag-and-drop "stickers" to the appropriate place on each of the twelve storybook pages. Players are rewarded with the name of the object highlighted as well as a humorous animated gag. Another activity is Play In The Sand, where children choose shovels, flags, and sea shells to build and decorate their own sand castle. A bucket and watering can both help build and "erase" castle creations. *Just Grandma and Me* also features four different languages —English, French, Spanish and German. On each of the pages, readers have the option of switching between languages to hear and see particular words and phrases, helping kids to learn new languages and build multilingual skills. ($30, Windows/Macintosh hybrid) Living Books, 160 Pacific Ave. Mall, Ste. 201, San Francisco, CA 94111. (415)352-5200. URL: *http://www.broderbund.com* .

3D Atlas 98/3D Atlas 98 Deluxe Travelers Edition

Creative Wonders has introduced two new CD-ROM titles in its ABC World Reference Series: 3D Atlas 98 and 3D Atlas 98 Deluxe Travelers Edition. The first—3D Atlas 98—is the newest version of Creative Wonders' Atlas titles offering the most in-depth exploration of planet Earth. The second—3D Atlas 98 Deluxe Travelers Edition— contains two CD-ROMs: 3D Atlas 98, plus a second CD with the Creative Wonders U.S. Street Guide, a comprehensive collection of US road maps. Both software

continued on page 134

The Right Price The Right Advice

TOSHIBA IBM®

TECRA
740 CDT P/166, 16/2.1GB, 10X CD $4950
740 CDT/3G P/166 MMX, 10X CD $5595
740 CDT/3NT P/166 MMX, 10X CD ..... $CALL
750 CDT P/233MMX, 32/5GB, 20X CD ..... $CALL

SATELLITE
220CDS P/133, 16/1.4GB, TFT, 10X CD-ROM $1995

SATELLITE PRO
440CDT P/133MMX 16/1.4GB, TFT, 10X CD-ROM $3495
440CDX P/133MMX 16/1.4GB, DS, 10X CD-ROM $2495
460CDT P/166MMX, 32/2GB, 10X CD ..... CALL
480CDT P/233MMX, 32/4GB, 20X CD ..... CALL

PORTEGE ULTRA
660CT P/150 16/1.3GB, 10X CD, 28.8 TFT ..... CALL
All Toshiba Upgrades & Accessories Available.

760 SERIES
760E P/150, 16/2.1GB $4375
770 P/233, 32MB, 3GB, CD ..... CALL

380 SERIES
TP 380D P/150,16/1.3GB, 8X CD, DS ..... CALL
TP 380ED P/150MMX,16/2.1GB, 8X CD, TFT CALL

560 SERIES
TP 560 P/150MMX, 16/2GB, DS $2795
TP 560 P/166MMX, 16/2GB TFT $4395

COMPAQ

LTE SERIES
5300 P/133 16/1.3, 12" SVGA TFT ..... CALL
5400 P/150, 32/2.1GB 12.1" SVGA TFT ..... CALL

ARMADA SERIES
7710MT, P/150MMX, 16/1.6GB, TFT, NT $4295
7730MT, P/166MMX, 16/2.1GB, TFT, 95, NT $4595
7750MT, P/166MMX, 32/2.1GB, TFT, 95 NT $5395
1550DMT, P/133, 16/1.4GB, TFT, 10X CD, 33.6 Modem $3495
1580DMT, P/166, 16/2GB, 10X CD $3679

apple

NEW APPLE SYSTEMS ARE AVAILABLE NOW:
PowerMac 8600/250 32/4GB/CD ..... CALL
PowerMac 9600/300 32/4GB/CD ..... CALL
Performa 6400 P/200 16/2.4GB/8X CD .. CALL

COMPAQ
DeskPro 2000/4000/6000 Series ..... CALL

SERVERS
Proliant 2500/6000 Pentium® Pro Series.... CALL
Proliant 6500/7500 Pentium® Pro Series.... CALL

NETWORKING

3COM Routers ..... CALL
Cisco Routers ..... CALL
Motorolla DSU/CSU ..... CALL
Call for Custom Configuration and Complete Solutions

Authorized Service Center for HP, Compaq, & Toshiba

AA TECHNOLOGY, INC.

Since 1992!

FREMONT
510.226.8650
Fax 510.226.8652
45277 Fremont Blvd. #11
Fremont, CA 94538

email: aatechno.com

SAN FRANCISCO
415.782.0000
Fax 415.782.0011
350 Sansome Street, Suite #M10
San Francisco, CA 94104

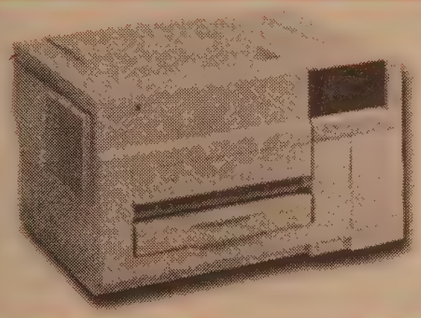
apple HEWLETT PACKARD OKIDATA COMPAQ TOSHIBA EPSON

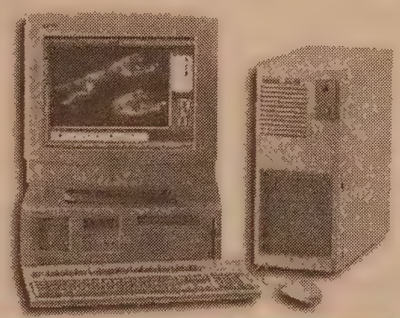
Prices reflect cash discount.
Prices & availability subject to change without notice.
Not responsible for typographical errors. All logos are registered trademarks of their respective companies.

HEWLETT PACKARD

Authorized Reseller

A&A Technology Your Source Hewlett Packard Since 1992





HP PRINTERS

HP DeskJet 692C Printer $299
HP ColorSmart technology makes it easy to produce clear, vivid color. Prints on a wide range of media, including envelopes and transparencies.

HP DeskJet 720C. $369
HP PhotoRET II Delivers the smallest ink drops of any inkjet printer for more shades of color on any paper. Specially designed for superior results on plain paper.

HP DeskJet 890CXI $429
Built for business, with networking capabilites, hardy 3,000 pages-per-monthly duty cycle. Fast printing speed, up to 9ppm in black and 5ppm in color.

HP DeskJet 1600C/ 1600CM Printer. $1269/1839
Fast 9 pages per minute laser quality black printing. Higher duty cycle for increased productivity.

HP LaserJet 6Pxi/6MP Printer $749/859
Features custom media handling and straight-through paper path from two media sources. Full range of expansion options.

HP LaserJet 4000, 4000 T, 4000 N, 4000 TN Printer . . . . . CALL
100MHz RISC processor and instant-on fuser produce fast output. Two PCI-based EIO connectivity slots deliver high-speed, flexible networking.

HP LaserJet 5Si/5SiMX Printer . $2450/3329
High volume network printer with 24-ppm speed and 100,000 page monthly duty cycle. Increased user controls for greater print management.

HP PLOTTERS

HP DesignJet 750C Plus Plotter . . . . . CALL
Large format printer with reliable operation and 1-year on-site warranty. Fast enough to support an entire workgroup with flexible media handling.

HP DesignJet 755CM Plotter . . . . . CALL
Poster-size color PostScript printing for corporate and network workgroups. Easy large format printing from any Windows and Macintosh application.

HP OfficeJet 590 Color Printer•Fax•Copier•Scanner . . . $569
All-in-one design provides full-featured color printing plus balck-and-white copying and scanning and plain-paper faxing. Point and click software makes it easy to install and use.

HP OfficeJet 630 Color Printer•Fax•Copier•Scanner . . . CALL
Corel Print & Photo House Select 2.0 software makes it simple to create brochures, fliers, cards, calendars, and more. Digital image processing produces clear, crisp black-and white or color copies.

HP NOTEBOOKS

HP Plamtop 300LX Series PC . . . . . CALL
The power of computing in the palm of your hand. Expandable memory with optional plug-in flash disk cards. Wide-screen viewing just like a desktop.

HP OmniBook 800 Notebook PC . . . . . CALL
Delivers Pentium® performance of a full sized notebook in a 3.9lbs package. Optional docking solution for full desktop equivalence.

HP OmniBook 5700 Notebook PC . . . . CALL
Feature full Pentium® processor performance with MMX technology. Exceptional multimedia performance, with expandability.

HP PCs and WORKSTATIONS

HP Vectra 500 Series PCs . . . . . CALL
The best PCs for small business. Powerful, reliable business computers that are easy to operate and connect with preloaded software.

HP PCs and WORKSTATIONS CONT.

HP Vectra VL PC . . . . . CALL
Sophisticated design, serious performance, at a reasonable price. Fully expandable and easy to manage. Includes advanced security features.

HP Vectra XA/XU PC Workstation . . . . CALL
High performance workstations. Unmatched system manageability. Integrated networking features. Vectra XU Workstations are available with single or dual Pentium® Pro processors.

HP XW Graphics PC Workstation. . . . . CALL
High performance graphics workstation with single or dual Pentium® Pro processors. Completely integrated multimedia package and networking features.

HP NETWORK SERVERS

HP NetServer E Series. . . . . CALL
Easy to set up and back up Server. Reliable performance with great expandability. Easy to troubleshoot with HP NetServer Support Anywhere Auto Alert.

HP NetServer LH Pro Series . . . . . CALL
High system performance. Comprehensive server management hardware and software solution in one package. Easy to manage server.

HP NetServer LXr Pro and HP NetServer Rack Storage/8. . . . . CALL
Optimized server and storage solutions for complete data center. Rack-optimized enclosure with super-server-class performance.

A&A TECHNOLOGY, INC.

FREMONT
510.226.8650
Fax 510.226.8652
45277 Fremont Blvd. #11
Fremont, CA 94538

SAN FRANCISCO
415.782.0000
Fax 415.782.0011
350 Sansome Street, Suite #M10
San Francisco, CA 94104

Prices subject to change without notice. Not responsible for typographical errors.
Pentium® is a registered trademark of Intel Corp.

DATACOM

SOHO Pentium® II Systems

- Intel Portland Pentium® II 440FX MB w/Sound
- CPU Cooler for Pentium® II
- 32MB SDRAM
- TEAC 1.44MB 3.5" FDD
- WD 2.1GB EIDE Hard Disk Drive
- Toshiba 24X Internal EIDE CD-ROM Drive
- Archtek 33.6K Int. Fax/Modem w/ Voice and Speaker Phone
- ATI 3D Xpression PCI 4MB SDRAM Video Card
- Medium ATX Tower Case w/ 230 Watt Power Supply
- Mitsumi 104 Key Keyboard
- Logitech PS/2 Mouse w/ Pad
- Quickshot 14 Watt Amplified Speakers
- Windows 95 Full OEM CD Version

P-II 233 MHz $1275
P-II 266 MHz $1425
P-II 300 MHz $1655
(Monitor Sold Separately)

Gaming Pentium® II Systems

- ASUS P2L97 440LX AGP Pentium® II M/B
- CPU Cooler for Pentium® II
- 64MB SDRAM
- TEAC 1.44MB 3.5" FDD
- WD 5.1GB EIDE Hard Disk Drive
- Toshiba 24X Internal EIDE CD-ROM Drive
- SB-AWE64 Value Sound Card
- US Robotics 56K Int. Fax/Modem
- Matrox Mystique 220 PCI 4MB SGRAM Video Card
- Medium ATX Tower Case w/ 230 Watt Power Supply
- Mitsumi 104 Key Keyboard
- Logitech PS/2 Mouse w/ Pad
- Yamaha YST-M15 Speakers
- Windows 95 Full OEM CD Version

P-II 233 MHz $1875
P-II 266 MHz $1975
P-II 300 MHz $2245
(Monitor Sold Separately)

High-End Pentium® II Systems

- Intel Pentium® II CPU
- ASUS Pentium® II Intel 440LX AGPset based Mainboard
- CPU Cooler for Pentium II
- 128MB SDRAM
- TEAC 1.44MB 3.5" FDD
- Seagate ST34572W Barracuda 4.5GB UW-SCS Hard Drive
- Toshiba 24X Internal EIDE CD-ROM Drive
- SB-AWE64 Value Sound Card
- US Robotics 56K Int. Fax/Modem
- Matrox MILL-2 3D PCI/8MB WRAM
- Medium ATX Tower Case w/ 250 Watt Power Supply
- Mitsumi 104 Key Keyboard
- Logitech PS/2 Mouse w/ Pad
- 200 Watt Stereo Speakers
- Windows 95 Full OEM CD Version

ASUS P2L97-S Single Pentium® II and Intel
* P-II 233 MHz $2945
* P-II 266 MHz $3045
* P-II 300 MHz $3325

ASUS P2L97-DS Dual Pentium® II and One Intel
* P-II 233 MHz $3065
* P-II 266 MHz $3165
* P-II 300 MHz $3445

(Monitor Sold Separately)

5-USER BUSINESS NETWORK

- Intel Triton II Chipset PCI Mainboard w/ 512KB Cache
- Intel Pentium® 166 MHz MMX CPU
- 586 CPU Cooler w/Heatsink
- 32MB EDO RAM Module
- TEAC 1.44MB 3.5" FDD
- WD 22100 2.1GB EIDE Hard Disk
- Toshiba 24X Internal CD-ROM Drive
- Sound Blaster 16-Bit Sound Card
- Lanpro 10Mbps ISA Network Combo Card
- Diamond Video w/ 2MB EDO DRAM
- Mini Tower Case 230 Watt Power Supply
- Impression 5VX 15" SVGA .28mm Monitor
- Mitsumi 104 Key Keyboard
- MS Compatible Serial Mouse w/ Mouse Pad
- 14 Watt Amplified Speakers
- Windows 95 Full OEM CD Version
- One Lanpro 8-Port Networking Hub w/ RJ45 plus BNC Port
- 500Ft. RJ45 CAT5 Cable

Price Includes Cabling, Setup, and Configuration
Free Delivery in the Bay Area

ONLY $5945

Pentium® Pro System

- Intel Pentium® Pro 200MHz CPU w/Internal 256K Cache
- Intel Venus Pentium® Pro M/B w/512K Cache
- Pentium® Pro Cooler w/Heat Sink
- 32MB EDO RAM • Teac 1.44MB 3.5" FDD
- WD 3.1GB EIDE Hard Drive • Toshiba 24X Int. IDE CD-ROM
- ESS 16-Bit Stereo Sound Card
- Archtek 33.6 Fax/Modem w/Voice and Speaker Phone
- Matrox Mystique PCI/4MB SGRAM Video Card
- Medium ATX Tower Case w/235 Watt Power Supply
- Impression 7 Plus 17" .27mm Monitor
- Mitsumi 104 Key Keyboard
- Logitech PS/2 Mouse w/Mousepad
- 200 Watt Stereo Speakers
- Win 95 Full OEM CD Version

ONLY $1815

Pentium® Multimedia Systems

- Intel 430TX Chipset Mainboard w/ 512K PL Cache
- CPU Cooler w/Heat Sink
- 16MB EDO RAM, Board Expandable to 256MB
- TEAC 1.44MB 3.5" High Density Floppy Drive
- Western Digital 22100 2.1GB EIDE Hard Drive
- Toshiba 24X Internal EIDE CD-ROM Drive
- ESS ST-1868 16-Bit Sound Card (S.B. Compatible)
- Archtek 33.6K V.34 Internal Fax/Modem w/ Voice and Speaker Phone
- S3-Virge DX 3D Video Card w/ 4MB EDO DRAM
- Mini Tower Case w/ 230 Watt Power Supply
- Impression 5VX 15" .28mm Low Radiation Monitor
- Mitsumi 104-Key Windows 95 Keyboard
- Microsoft Compatible Serial Mouse w/ Mouse Pad
- 200 Watt Hi-Output Amplified Stereo Speakers
- Windows 95 CD & Manual (OEM Version)

P-133/150/200MHz $965
P-166MHz MMX $1025
P-200MHz MMX $1125
P-233MHz MMX $1215

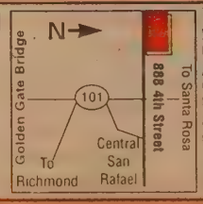
Custom Configurations, Upgrade Options, and Three-Year On-Site, Parts & Labor Included, Service Warranty Are Also Available. Call Us for Details.

FREE UNLIMITED TELEPHONE SUPPORT FOR ALL PURCHASES.
1-YEAR PART AND 3-YEAR LABOR WARRANTY ON ALL COMPUTERS

245 KEARNY, S.F. CA 94108
HRS: M-F 9:30-6:30, SAT 10:30-4:30
SALES:
415.398.8903
TECH: 415.398.6026 • FAX: 415.398.6321

888 4th St., San Rafael CA 94901
HRS: M-F 10:30-6, SAT. 10:30-4:30
SALES:
415.460.2160
FAX: 415.460.2169

EMAIL: sales@datacomsf.com • www.datacomsf.com



Terms & Conditions One year parts and three years labor warranty Prices subject to change w/o notice. Limited to stock on hand. All returns subject to 15% restocking fee. No refunds after 30 days. Not responsible for typos. FCC Class B system available. We accept government & corporate PO's. All trademarks and registered trademarks are property of their respective corporations.

DISCOVER VISA MasterCard

...your path to the latest technology!

90 DAYS SAME AS CASH!

Twinhead® SlimNote 9

Specifications:
- Genuine Intel Pentium® Low-Voltage Processor
- 256KB L2 Cache RAM w/64-Bit PCI Graphics Accelerator
- 2MB Video RAM, EDO RAM Upgradable to 64MB
- 1.44MB Floppy Drive, Built-in 10X CD-ROM
- Removable EIDE HDD up to 3.2GB
- PCMCIA Slots (2x Type II or 1x Type III)
- Built-in PS/2 Touchpad
- 16-Bit Stereo Sound System w/Built-in Speakers & Microphone
- Weight: 7lbs w/Battery
- Dimensions: 12.15" x 9.3" x 1.8"
- Windows 95 CD, Express Care 48

- SlimNote 9133TVN (Pentium® 133MHz, 11.3" Active Matrix, 16MB RAM, 1.3GB HDD,and NiMH Battery) $2195
- SlimNote 9133TZ (Pentium® 133MHz, 12.1" Active Matrix, 16MB RAM, 1.3GB HDD, and Lithium Ion Battery) $2385
- SlimNote 9166TZ (Pentium® 166MHz, 12.1" Active Matrix, 32MB RAM, 2.1GB HDD, and Lithium Ion Battery) $2575
- SlimNote 9T133TZ (Pentium® 133MHz, 12.1" Dual Scan, 16MB RAM, Upgradable to 128MB, w/Built-in 20X CD-ROM Drive, 1.3GB HDD, and NiMH Battery) . . . . . .$1825 NEW
- SlimNote 9T166CZ (Pentium® 166MHz, 12.1" Dual Scan, 16MB RAM, Upgradable to 128MB, w/Built-in 20X CD-ROM Drive, 1.3GB HDD, and NiMH Battery) . . . . . .$1965 NEW

Chembook 6800

Specifications:
- Genuine Intel Pentium® Processor
- 16MB RAM, Memory up to 64MB
- 64-Bit PCI Local Bus w/ Graphics Accelerators & 2MB VRAM
- 12.1" Dual Scan or Active Matrix Co!
- 1.44MB Removable Floppy Drive
- 1.4GB EIDE Removable Hard Disk (2.1GB Optional)
- PCMCIA Slots (3x Type II or 1x Type II and 1x Type III)
- Built-in PS/2 Touch Pad Pointing Device
- 16-Bit Stereo Sound System w/ Built-in Speakers & Microphone
- Internal 11X CD-ROM Drive
- Notebook Carrying Case
- Weight 7.5 lbs w/ NiMH Battery (Lithium Ion Battery Optional)
- Dimension 11.8"x8.9"x2.0"

	Dual Scan	Active Color
P-133MHz	$1545	$2065
P-166MHz MMX	$1595	$2115
P-200MHz MMX	$1695	$2215

MONITORS

IMPRESSION
3 Plus/4VX 14" .28 NI 165/175
5 Plus/5VX 15" .28 NI 245/245
7 Plus .27/7VX .26 NI 17" 460/595
Vienna P215 21" .28 NI 1375

MAG
DX15T 15" 1280x1024 .26 NI 350
DX700 17" 1280x1024 .25 NI 615

SONY
CPD-100SF 15" 1280x1024 .25, 60Hz 370
CPD-100SX 15" 1280x1024 .25, 60Hz 340
17SE2T 17" 1600x1200 .25 NI, PnP 860
CPD-200SF 17" 1280x1024 .25 NI, 75Hz 665
CPD-200SX 17" 1280x1024 .25 NI, 60Hz, PnP 610
20SEII 20" 1600x1200 .25 NI 1725
CPD-300SFT 20" 1280x1024 .30, 80Hz 1390

ViewSonic
E641 14" 1024x768 .28 NI 195
15GS 15" 1024x768 .28 NI 305
17PS 17" 1600x1280 .25 NI, PnP, TCO 645
PT775 17" 1600x1280 .25, Sonictron 790
P810 21" 1600x1280 .25 1340
P815 21" 1800x1440 .25 NI 1490
PT813 21" 1600x1280 1440
29GA 29" 1280x1024 .75 stripe pitch 2190

SAMPO
14" SVGA .28dp 1024x768 165
15" SVGA .28dp 1280x1024 230
17" .28dp 1280x1024 (15.8" Viewable) 390

HARDWARE

CD DRIVE / SOUNDS
Sound Blaster 16 PnP w/o IDE 45
Sound Blaster 64 AWE Gold / Value Pak 185/82
Toshiba XM-6102B 24X IDE Int. 80
ESS 16 IDE Sound Card. 20
Yamaha YST-M7 (5W) / YST-M15 (10W) 40/65
Quickshot 14W Amplified Speakers 15
200 Watt Stereo Speakers. 25
Toshiba 15X Int. SCSI 140

CONTROLLERS
Adaptec 2940 / 2940U SCSI PCI w/ Kit OEM . . . 175/180
Adaptec 2940UW Ultra Wide- SCSI PCI w/ Kit OEM 210
ASUS SC200 SCSI-2 PCI w/ NCR chips). 67
DTC 2280 / 2280-E. 18/24
Promise ISA EIDE Controller 29

DRIVES
OR Technology LS-120 120MB 3.5" 145
TEAC 1.44MB 3.5". 23
Quantum ST32160A 2GB IDE 155
Quantum QM33240ST-A 3.2GB IDE. 225
Quantum QM34320ST-A 4GB IDE 260
Quantum QM36480ST-A 6.4GB, IDE 365
Quantum TM32110B 2.1GB SCSI II 230
Atlas-23455W 4.5GB UW SCSI. 540
Quantum 34320S 4.3GB SCSI 340
Seagate ST-32120A 2.1GB 12.5ms 128K IDE 170
Seagate ST-32272W 2.2GB Ultra-Wide SCSI 9ms . . 430
Seagate ST-34572W 4.5GB Ultra-Wide SCSI 9ms . . 640
Seagate ST-34501W 4.5GB UW SCSI 710
Seagate ST-19171W 9GB Ultra-Wide SCSI 1090
Toshiba 1.4GB 2.5" IDE (for Notebook) 195
Toshiba 2GB 2.5" IDE (for Notebook) 255
WD-21600 1.6GB IDE 150
WD-22100 2.1GB IDE 175
WD 32500 2.5GB IDE 195
WD-33200 3.2GB IDE 210
WD-AC34300 4.3GB IDE 255
WD-AC35100 5.1GB IDE 325
WD-E4360 4.3GB Ultra-Wide SCSI 645
WD 6.4GB Ultra DMA 350

MODEMS
Sportster v.34 33.6K Int Fax/Modem/OEM 85
Sportster v.34 33.6K Int Fax/Modem w/ Voice & Speaker Phone/OEM 100
Sportster 56K Internal OEM/ w/ Voice 145/165
Sportster 56K External Retail/ w/ Voice 185/215
Smartlink X2 Compatible 56K Internal Fax/Modem w/Voice 90
PCMCIA 33.6K Fax Modem 95
PCMCIA 56K Fax Modem. 145

MOTHERBOARDS
ASUS (w/o CPU)
P2L97 ATX 440LX Chipset 195
P2L97S ATX 440LX Chipset w/ SCSI 345
P2L97DS ATX 440LX, Dual, w/ SCSI 445
TX97 512K, w/3 DIMM Socket AT 165
TX97E 512K, 4 SIMM/2DIMM AT 160
TX97X 512K w/3 DIMM ATX. 160
TX97-XE 512K w/4 SIMM/2 DIMM ATX. 170
TX97-XV 512K w/4 SIMM /2 DIMM ATX 200
Intel Portland 440FX P2 M/B w/Sound 200
Intel Atlanta 440LX P2 M/B w/AGP 255
QDI P5/430TX w/ 512K Cache AT Mainboard 110
QDI P5/430TX w/ 512K Cache ATX Mainboard. 125
AIR P6-LDX-SCSI, Dual Pentium® II, 440 LX AGP, SCSI, UIDE ATX 475
AIR P6-LDX-U-IDE, Dual Pentium® II, 440 LX AGP, UIDE, ATX 365
AIR P6-LXI-SCSI, Single Pentium® II, 440LX AGP, SCSI, UIDE, ATX. 325
AIR P6-LXI-IDE, Single Pentium® II, 440LX AGP, UIDE, ATX 215
AIR P5-TXI-SCSI, Single Pentium®, 430TX 512K, ATX, SCSI 245
AIR P5-TXI-IDE, Single Pentium®, 430TX, 512K, ATX . . 130
AIR P5-TXA-IDE, Single Pentium®, 430TX, 512K, AT 115

CASES
Baby Desktop AT Case w/ 230W PS 30
Mini AT Tower Case w/ 230W PS 30
Super Mini AT Tower Case w/ 230W PS. 35
Medium AT Tower Case w/ 230W PS. 45
Full AT Tower Case w/ 250W PS. 65
Medium ATX Tower Case w/ 235W PS. 65
Full ATX Tower Case w/ 235W PS. 80

NETWORK
3COM 3C905-TX PCI 10/100 TP OEM 65
3COM 3C509TPO RJ45 50
3COM 3C589 PCMCIA RJ45 PNC Combo 145
3COM 3C589 PCMCIA RJ45 115
Intel EtherExpress 10/100 Base T PCI 60
Lanpro ISA Combo 22
Lanpro EN9120TX 10/100TX PCI card 42
Lanpro HUB: 5 Port (5TP) 50
Lanpro HUB: 9 Port (8TP + BNC) 75
Lanpro HUB: 16 Port (16TP + BNC) Desktop 135

VGA CARDS
ATi 3D Expression PC2TV w/2M SDRAM 75
ATi 3D Pro Turbo 8MB, PC2TV 180
ATi All-in-Wonder 4MB 215
ATi X-Pert@Work 4MB AGP 180
Diamond Fire GL 1000 8MB. 225
Diamond Monster Stealth 3D 4MB OEM/REG . . 160/185
Diamond Stealth 2MB DRAM. 55
Diamond Stealth 3D 2400XL 4MB. 100
Diamond Stealth 3D 3400XL 4MB VRAM OEM/Reg 160/185
S3-Virge DX 3D Video Card w/4MB EDO DRAM 45
Diamond Stealth Video 64 2MB VRAM 100
Diamond Stealth Viper V330 4MB AGP 180
Matrox Millennium II 4MB OEM 210
Matrox Millennium II 8MB OEM 295
Matrox Mystique 220 w/4MB 135
#9 Revolution 4MB WRAM AGP 275
STB Velocity 128 4MB SGRAM AGP 175
S3-Virge DX 3D Video Card w/4MB EDO DRAM 65

Custom Configurations, Upgrade Options, and Three-Year On-Site, Parts & Labor Included, Service Warranty Are Also Available. Call Us for Details.

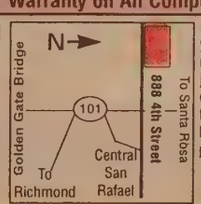
• FREE UNLIMITED TELEPHONE TECHNICAL SUPPORT

• We Also Do Laptop Upgrades
• 1-Year Part & 3-Year Labor Warranty on All Computers

245 KEARNY, S.F. CA 94108
HRS: M-F 9:30-6:30, SAT 10:30-4:30
SALES:
415.398.8903
TECH: 415.398.6026 • FAX: 415.398.6321

888 4th St., San Rafael CA 94901
HRS: M-F 10:30-6, SAT. 10:30-4:30
SALES:
415.460.2160
FAX: 415.460.2169

EMAIL: sales@datacomsf.com • www.datacomsf.com



Terms & Conditions: One year parts and three years labor warranty. Prices subject to change w/o notice. Limited to stock on hand. All returns subject to 15% restocking fee. No refunds after 30 days. Not responsible for typos. FCC Class B system available. We accept government & corporate PO's. All trademarks and registered trademarks are property of their respective corporations.

DISCOVER VISA MasterCard

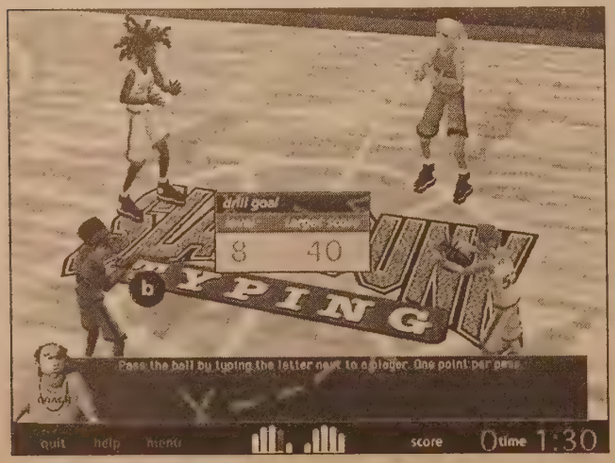
Top left: Creative Wonders' 3D Atlas 98; bottom left: *Slam Dunk Typing*, also from Creative Wonders; center: *The Mystery of Magritte* from Byron Preiss Multimedia Co.; top right: Casady & Greene's *Origami: The Secret of Paper*; bottom right: *Byzantine: The Betrayal* from Discovery Channel Multimedia.

Product Announcements *continued from page 130*

titles are targeted to ages 10 and up. ($29.95 and $34.95, respectively; Windows/Macintosh hybrid). Creative Wonders, 595 Penobscot Dr., Redwood City, CA 94063. 1-800-543-9778. URL: *http://www.creativewonders.com* .

Slam Dunk Typing

Creative Wonders promises to make learning the skills of touch-typing fun with the introduction of their educational game, *Slam Dunk Typing*. In *Slam Dunk Typing*, typing is taught in a five-step process with fast-paced basketball action and intriguing games to keep the student interested. Via an on-screen "coach" who monitors your progress and offers tips to improve your skills, the user first learns correct hand-placement, then goes on to "Passing and Free Throw Drills" where finger positioning is practiced. Step three helps the user build speed and agility in a full-court basketball environment, while step four helps the typist develop rhythm through the use of music. Finally, *Slam Dunk Typing* offers customized stats and indicates where the "player" needs improvement. For more information, contact 1-800-505-6133, Dept. 100, URL: *http://www.creativewonders.com* .



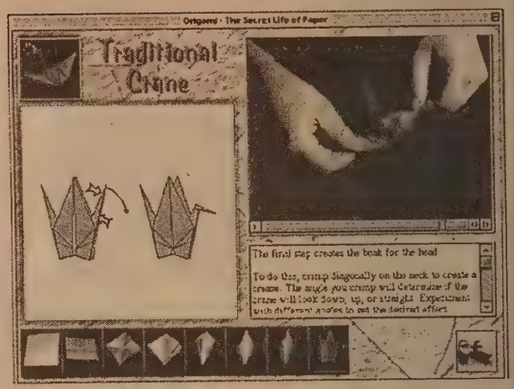
Games & Entertainment

The Mystery of Magritte

Byron Preiss Multimedia Co., Inc. has co-published *The Mystery of Magritte* CD-ROM with Harry N. Abrams, a publisher of high-quality art and illustrated books. *The Mystery of Magritte* is a surreal interactive journey through the mind and works of artist René Magritte. Occupying a prominent position in the Surrealist movement, Magritte produced hundreds of visually striking images, many of which have entered the everyday visual language of popular culture. The CD-ROM features over 400 reproductions of his paintings, drawings, illustrations, sketches, and films, many previously unpublished, and all fully indexed by title and subject matter; 25 minutes of audio and video interview footage; and biographies of Magritte and his contemporaries. ($29.95) Byron Preiss Multimedia Co., Inc. (212)989-6252. Email: *welcome@bmpc.com* . URL: *http://www.byronpreiss.com* .

Origami: The Secret Life Of Paper

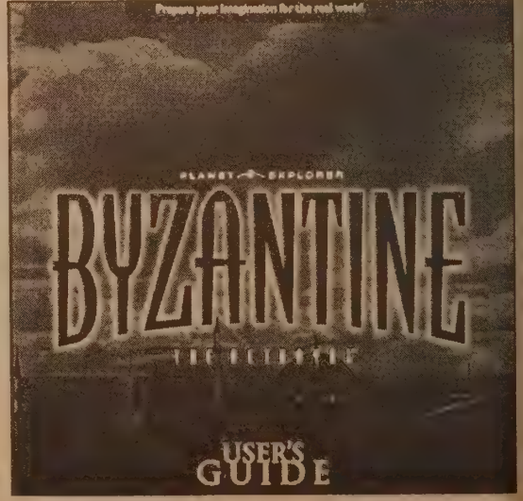
Origami takes you to another dimension where you can unlock the secrets of a 100-year-old art form. Move through a 3-D rendered Japanese house as you discover the ancient world of paper making and folding, and then choose from any of the twelve projects and learn its description, history, and step-by-step instructions—there are even QuickTime full-motion movies so you can see exactly how to create the projects. Figure templates may be printed for folding and/or handouts and you will also find out how the Japanese make "Washi" paper. ($59.95, Windows/Macintosh) Casady & Greene, Inc., 22734 Portola Dr., Salinas, CA 93908-1119. (408)484-9228. Email: *C&G@casadyg.com* . URL: *http://www.casadyg.com* .



Byzantine: The Betrayal

Filmed totally in a foreign location, the game takes players on a dangerous quest through mysterious and picturesque Istanbul, Turkey, to uncover an international antiquities smuggling ring. The player is a journalist who becomes ensnared in a story of suspense, murder, and deception. All paths lead to a mysterious central character, Klio, an elusive guide to Istanbul's secrets. The player must learn to

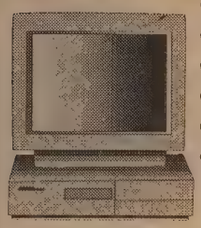
continued on page 144



NETWORK SPECIALIST FOR CORPORATIONS & BUSINESSES

NOVELL, NT, UNIX • SYSTEM INTEGRATION • UPGRADE • INTERNET WORLD WIDE WEB
• E-MAIL SERVER • FTP SERVER • DNS SETUP AND CONSULTATION
CUSTOMIZED HOME PAGE • DESIGN AND SETUP
NETWORK SPECIALIST • ON-SITE SERVICES

SPECIALIZED HARDWARE



- NT Servers
- Novell Servers
- RAID Servers
- Application Servers
- Backup Servers
- Customized Configuration Available

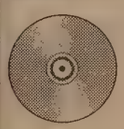
NETWORK SERVICES

- Novell, NT & UNIX
- Network Integration
- LAN/WAN Design & Implementation
- Network Maintenance
- Hardware On-site Services
- Remote Diagnostic Support
- Cable Installation & Troubleshooting

INTERNET SERVICES

- Site Planning and Preparation
- Gateway Solution Consulting
- Equipment Provisioning
- Hardware & Software
- Configuration
- Complete Internet
- Solutions

PROGRAMMING SERVICES



- Internal and Contract
- Programming Services
- Software Integration
- Consultation

APPLICATION SOFTWARE

Support and Implementation for All
- Microsoft® Products
- Vertical Turnkey Solutions
- Custom Database Solutions

AUTHORIZED DEALER

Novell Gold Authorized Reseller™

intel inside

IBM®

COMPAQ

hp HEWLETT PACKARD

NETWORKING OPTIONS

- NE 2000 COMPATIBLE JUMPERLESS 16 Bit (COMBO) $25
- 9-PORT HUB (810 BASE T+1COAX) $79
- 16-PORT HUB (16-RJ45, 1 BNC+1AUI) $189
- 100 TX 8-PORT HUB $650

3COM CARDS & HUB

- 3C509-B-TPO/COMBO $59/78
- 3C900 TPO TX 10/100 10 BASE T $79
- 3C905 TX 10/100 10 BASE T $75

INTEL CARDS & HUB
Intel PILA 8465B PCI 10/100 MBPS $69

ROUTERS

- ASCEND P50 DX/P75/P130 ..... $CALL
- CISCO 2501/2514/2524/4500 ..... $CALL

HEWLETT-PACKARD

hp HEWLETT PACKARD

HP Vertra 500 ..... starting at $1140
HP Net Server ..... $CALL
LX-Pro/LH-Pro/E40(6/200) Series ..... $CALL

COMPAQ

COMPAQ

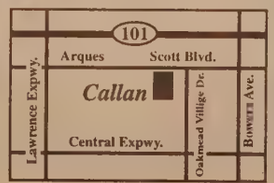
Compaq Prosignia 200/300 ..... $CALL
Compaq Proliant 2500/5000/6000/7000 ..... $CALL

NETWORK SOFTWARE

- Intraware 4.11 Server 5/10/25/100 Users ..... $CALL
- Groupware V5.1 5/10/25/100 Users ..... $CALL
- MS BACK-OFFICE V2.5 ..... $CALL
- Netscape Messaging Server V3.0 for (NT, Unix) $980
- BNC, 10 BASE CABLE ..... $CALL
- CABLE ACCESSORIES ..... $CALL
- LEVEL-3 1000 FT. CABLE $59
- LEVEL-5 1000 FT. CABLE $89
- BNC RG 58 100 FT. CABLE $89

CALLAN CORPORATION

3350 SCOTT BLVD., BUILDING 1503, SANTA CLARA, CA 95054
1-888-483-4-LAN • 408-986-9786 • Fax: 408-986-9785
Web Page: http://www.callancorp.com • E-mail: Fred@callancorp.com
Business Hours: Monday-Friday 9:00 am to 6:pm, Saturday 10:00 am to 4:00 pm (PST)



Callan Corporation 1-888-483-4-LAN Network Specialist

Intel Pentium II 233~300 MHz 6.4GB 64MB 24XCD SB64 56K

*Intel Pentium II 233~300MHz w/512KB L2 Cache include Intel MMX Technology
*Intel AL440LX PentiumII MB w/AGP Port
*64MB SDRAM 12ns
*6.4GB UltraDMA/33 Hard Drive
*ATI 3D Rage Pro AGP Video Accelerator 4MB SGRAM
*Impression 17" Vienna Pro .25 Monitor 1600x1280
*Teac 1.44MB Floppy Drive
*Keytronic 104 Keyboard
*Microsoft mouse w/ pad
*24X EIDE Internal CDROM
*Creative Lab AWE 64 Sound Card
*Altec Lansing Acs40 2 way Speaker
*U.S. Robotics Internal 56K Fax/Data Modem
*ATX Medium Tower Case w/235WattsPS

*Microsoft Windows 95

$ 2629 / $ 2739 / $ 2999
233MHz / 266MHz / 300MHz

Pentium 150MHz ~ 233MHZ 3.5GB 32MB 24X SB16 33.6Kb

* Intel Pentium 150MHz//166/200/233(MMX)
* Intel Pentium Anchorage 430TX Chipset w/512KB PB Cache & 16 bit Sound
* 32MB SDRAM Dimm 12ns
* UltraDMA/33 3.2GB EIDE Hard Drive
* 15" SVGA .28 Flat Screen Monitor
* PCI Video w/2MB
* Teac 1.44MB Floppy Drive
* KeyTronic 104 Enhanced KB
* Logitech PS/2 Mouse w/ Pad
* Built in PCI EIDE Controller 4HD/2FD
* 2 Serials (16550 UART) & Parallel Port
* ATX Med Tower Case w/ 230 Watts
* 24X EIDE Internal CDROM
* Altec Lansing ACS 90 Speaker
* 33.6 Internal Voice Fax Modem
* Microsoft Windows 95

Option:
*Microsoft Office 97 Small Business Edition $219

$ 1249 / 1279 / 1389 / 1479
150 166MMX 200MMX 233MMX

AMD K6 166/200/233 MHZ MMX Enhanced Processor

* AMD K6 166/200/233 MHz w/CPU Fan
* ASUS TX Chipset PCI Bus MotherBoard w/512 PB Cache
* 32MB SDRAM Dimm 12ns
* UltraDMA/33 3.2GB EIDE Hard Drive
* 15" SVGA .28DP Non-interlace color Monitor
* Diamond Stealth 3D 2000 Video w/2MB EDO
* Mitsumi 1.44MB Floppy Drive
* Mitsumi 104 Enhanced Keyboard
* Mitsumi Mouse w/ Pad
* Built in Board PCI EIDE Controller 4HD/2FD
* 2 Serials (16550 UART) & Parallel Port
* Med Tower Case w/ 230 Watts
* Creative Lab SoundBlaster 16
* 24X EIDE internal CDROM
* Power Speaker
* Microsoft Windows 95

$ 1179 / 1239 / 1429
166 / 200 / 233

AMD K5 133/Cyrix 686 200+ Cyrix 686 MX 166+/200+

* AMD K5 133 or Cyrix 686 200+ or Cyrix MX 686 166+/200+ w/MMX Enhanced
* Pentium PCI Bus MotherBoard w/512 PB Cache
* 16MB 72-Pin Simm 60ns (up to 128MB)
* 1.6GB Enhanced IDE 10ms Hard Drive
* 14" SVGA .28DP Non-interlace color Monitor
* 1MB Graphic Video card
* Mitsumi 1.44MB Floppy Drive
* Mitsumi 104 Enhanced Keyboard
* Mitsumi Mouse w/ Pad
* Built in Board PCI EIDE Controller 4HD/2FD
* 2 Serials (16550 UART) & Parallel Port
* Mini Tower Case w/ 230 Watts
* **MultiMedia Pak Option: 16 bit Sound Card, 24x CDROM, Mini Speaker add $11**
* **Microsoft Windows 95 w/ manual add $95**
* **Microsoft Office 97 small business edition $219**

$ 649 / 699 / 699 / 599
Cyrix M2 166+/ 200+ /Cyrix 200+/ AMD K5 133

Monitors

Impression 14" 1024x768 .28dp NI	$189
Impression 5 15" 1280x1024 72Hz .28dp	$279
Impression 7 17" 1280x1024 72Hz .28dp	$469
Impression Venna Pro .25dp 1600	$649
Hyundai 14" 1024 .28dp	$189
Hyundai 15" 1280 .28dp	$279
Hyundai 17" 1280 .28dp	$469

ViewSonic

ViewSonic 14" E641 .28	$249
ViewSonic 15" E655/15GS/15GA	$339/359/399
ViewSonic 17" 17GA/17GS/17PS	$649/599/699
ViewSonic 17" GT770/PT770/PT775	$689/729/899
ViewSonic 20" GT800 .30	$1249
ViewSonic 21" G810/P810/PT810	$1449/1499/1639

SONY

SONY 15" 100SX/100SF .25	$369/409
SONY 17" 200SX/200SF/17SE2T .25	$669/779/889
SONY 20" 300SFT/20SE2T	$1629/1899

NEC

NEC 15" XV15+/M500	$379/379
NEC 17" XV17+/M700/P750	$709/769/899
NEC 21" XE21/P1150	$1649/2049

MAG

MAG 15" DX1595/15T/510V2/DJ530	$349/379/319/349
MAG 17" DX1795/17T	$599/659

IIYAMA

Iiyama 17" VisionMaster .26/Pro .25	$559/649
Iiyama 21" MT8221E/MT9021E	$1359/1449

HITACHI

Hitachi 15" Pro 500/17" Pro 600	$319/559
Hitachi 20" Pro 20/21" Pro 800	$1199/1449

Video Cards

Trident 9000(512K)/8900D(1MB) ISA 1024x768	$35/49
Trident 9680 PCI 1MB/2MB	$45/59
Trident ProVidia 9685 w/TV out & 2MB EDO	$79
Cirrus Logic 5446 PCI 1MB/2MB	$45/59
Cirrus Logic LAGUNA3D 5464 PCI 4MB Rambus	$109

DIAMOND

Diamond Stealth 64 VLB/PCI 1MB/2MB DRAM	$59/74
Diamond Stealth 64 Video PCI 1MB/2MB EDO	$65/79
Diamond Stealth 64 Video PCI 2MB VRAM	$129
Diamond Stealth 3D 2000 PCI 2MB/4MB EDO	$89/115
Diamond Stealth 3D 3000 PCI 2MB/4MB VRAM	$149/195
Monster 3D 3400XL 4MB EDO	$239

ORCHID

Righteous 3D VGA 4MB EDO	$229

ATi

3D Xpression PCI 2MB/4MB SDRAM	$129/149
3D Xpression +PC2TV 2MB/4MB SDRAM	$159/189
Video Xpression 2MB SDRAM	$75

matrox Millennium

MGA Millennium II 3D PCI 4MB WRAM	$245

MYSTIQUE

Mystique 220 PCI 2MB/4MB SGRAM Retail Version	$139/169
Memory upgrade for Mystiques 2MB/4MB/6MB	$49/95/145

RAINBOW RUNNER

Rainbow Runner Studio For Mystiques	$245
Rainbow Runner Television For Mystiques	$89

Intel Pentium II 233~300 MHZ 6.4GB 64MB SDRAM AGP Port

*Intel Pentium II 233~300MHz w/512KB L2 Cache include Intel MMX Technology
*Asus P2L97 PentiumII 440LX MB w/AGP Por
*64MB SDRAM 12ns
*6.4GB UltraDMA/33 EIDE Hard Drive
*Asus V3000 AGP Video Accelerator 4MB
*17" SVGA Monitor 1280x1024
*Teac 1.44MB Floppy Drive
*Keytronic 104 Keyboard
*Microsoft mouse w/ pad
*24X EIDE Internal CDROM
*Creative Lab AWE 64 Sound Card
*Altec Lansing Acs40 2 way Speaker
*U.S. Robotics Internal 56K Fax/Data Modem
*ATX Medium Tower Case w/235WattsPS

*Microsoft Windows 95

$2379/ 2489 / 2799
233MHz 266MHz 300MHz

Printers & Scanner

HEWLETT PACKARD

*DeskJet 670/20CXI	$219/289
*DeskJet 692C/870CXI	$295/389
*DeskJet 1600C/1600PS	$1299/1949
*LaserJet 5 / 6LXi	$1249/$389
*LaserJet 5M / 5N	$1749/1479
*LaserJet 6PXi/6MP	$739/899
*ScanJet 4C / 4P for IBM or Mac	$839/$449
*ScanJet 5P PC/MAC	$379/429

Canon

*BJC-240/4200 Color Inkjet	$199/299
*BJC-4550/620	$479/389

OKIDATA

*OL410e 600dpi	$299
*OL410e/PS 600dpi Post Script 2MB	$449

EPSON

*Stylus Color 400/500	$239/279
*Stylus Color 600/800	$299/449
*PhotoPC/PhotoPC 500 Digital Camara	$389/449

Motherboard

ASUS

*Pentium P55T2P4 Triton HX 512PB Cache 75~200MHz (MMX,Cyrix 686,AMD K5)	$145
*Pentium VX97 Triton VX 512PB Cache 75~233MHz (MMX,Cyrix 686,AMD K5)	$115
*Pentium TX97 Triton TX 512PB Cache 75~233MHz (MMX, Cyrix 686,AMD K5,K6)	$179
*Pentium TX97E Triton TX 512PB Cache 75~233MHz (MMX, Cyrix 686,AMD K5,K6)	$179
Pentium II P2L97 440LX / AGP Port 233MHZ~333MHz	**$265**
Pentium II P2L97S 440LX / AGP Port 233MHz~333MHz Ultra Wide SCSI	**$349**

Intel

*Pentium Tucson Triton HX W/Sound 512KB	$195
*Pentium Pro Venus PCI ATX MB	$229
*Dual Pentium Pro Providence MB W/16Bit Sound ,100BT Ethernet,Adaptec UWSCSI,USB	$589
*Pentium II PD440FX MB W/16Bit Sound, Uinversal Serial Bus	$249

Mass Storage

HEWLETT PACKARD / COLORADO

*ColoradoT3000 3.2GB Int	$179

IOMEGA

*Ditto 2GB Tape Backup Int/Ext	$149/179
*Ditto 3.2GB Tape Backup Ext	$249
*Zip 100MB Ext Parallel/SCSI	$145/145
*Zip 100MB Int IDE	$125
*Jaz 1GB SCSI Int/Ext	$295/395

SyQuest

*SyJet 1.5GB Int. SCSI PC	$349.95
*EZFlyer 230 Int. IDE PC	$184.95

WESTERN DIGITAL

*Western Digital Caviar 2.5GB/1.2GB	$199/155
*WD UltraDMA/33 3.2GB/4.3GB	$225/275
Quantum UltraDMA/33 Hard Drive 1.6/2/3.2/4.3/6.4GB	$165/190/229/275/365

CDROM, Modem, Speaker

*USRobotics SportSter 56K Int/Ext	$119/139#
*USR. SportSter 33.6K Int/Ext	$89/109#
*USR. SportSter Voice 28.8 Ext #279	$109
*USR. SportSter 28.8 PCMCIA	$199
*USR Courier V.Everything Int/Ext	$229/255
*USR MegaHertz 28.8 PCMCIA	$199
*USR SportSter ISDN Internal	$249
*Motorola ModemSurfr 33.6 Ext.	$159
*Zoltrix 33.6 FaxModem Int/Int. Voice	$79/89
*SupraExpress 33.6 Int Voice/Fax	$69
*Toshiba SCSI2 12X/15X CDROM	$119/149
*Toshiba 24X EIDE CDROM	$99
*Mitsumi 24X IDE CDROM$	$95

YAMAHA

Power Speaker YSTM7H	$45
Power Speaker w/Sub YST-SS510H	$159
Power Speaker w/Sub YST-SS1010H	$189

BOSE

Acoustimass w/Sub Bass Module	$399
MediaMate Computer System	$169

AiM Computers

1819 Willow Pass Road, Concord,CA 94520
TEL: (510) 687-2822
FAX: (510) 687-5276
Come Visit http://www.aimcomp.com/
Hours: Mon-Sat 10:00-7:00 **Email: sales@aimcomp.com**

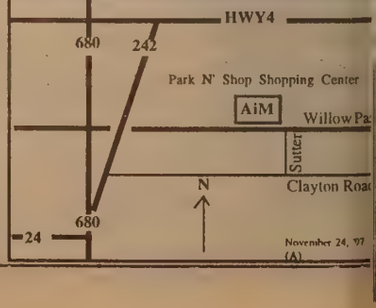
MasterCard VISA

AiM Quality Guarantee

* **Lifetime Labor & 1 Year Parts**
* **72 Hours Burn in**

On-Site Service Repair Available
Delivery & Setup Available
Financing & Leasing Available

Prices subject to change without notice
Not responsible for typographical errors
Trademarks are registered by the respective companies
Contents subject to change without notice
** Limited warranty, see store for detail
# After Rebate Price



Experience Makes the Difference!!

Our Happy Customers = 3-Com, National Semi-Conductor, NASA, Cypress, HP, Intel, Tandem, etc.

ECONOMY SYSTEM

- Intel Pentium® 90 CPU & M/B
- 16MB RAM
- 630MB Hard Drive
- IDE Ctrl w/2S/1P/1G
- 1.44MB Floppy Drive
- Mouse, 104 Keyboard
- Mini Tower Case w/250W
- SVGA Card 1MB

ONLY $399

586 AMD/CYRIX

- K5-166/686 200+
- 586 M/B w/512K
- 16MB EDO RAM
- 2.1GB Hard Drive
- 1.44 Floppy Drive
- Mini Tower Case
- SVGA Card 1MB

$485/465

MMX 166/200/233

- 586 M/B w/512K
- 32MB EDO RAM
- 3.5GB Hard Drive
- 1.44MB Floppy Drive
- Mini Tower Case
- Diamond Stealth 3D 4MB

AMD $609/669/849
Intel $625/709/779

PENTIUM® PRO 200

- Pentium® Pro CPU & Fan
- Intel Venus M/B
- 32MB EDO RAM
- 3.5GB Hard Drive
- 1.44MB Floppy Drive
- ATX Mid Tower Case
- Diamond Stealth 64 2MB

$979

PENTIUM® II 233/266/300

- Intel Pentium® II CPU + Fan
- Intel Atlanta M/B
- 32MB SDRAM
- 1.44MB Floppy Drive
- Diamond Stealth 2MB
- Mid Tower ATX Case

$895/1015/1225

PC Repairs & Upgrades Welcome!!

LABOR RATES/SERVICES

System Checkup	$20
Multimedia Kit Install.	$30
Hard Drive Install.	$20
Motherboard Install.	$30
Power Supply Install.	$30
Modem Install.	$30
Software Install.	$30/hr.
System Troubleshoot	$40/hr.

MOTHERBOARD SALE

CPU	Pentium® 100	Pentium® 90	Pentium® 60	DX4-100	DX2-66
Chipset	SIS	Intel	Opti	UMC	UMC
IDE/IO	Yes	No	No	Yes	Yes
Cache Memory	256K	256K	256K	No	No
Price w/o CPU	$55	$45	$45	$35	$30
Price w/CPU	$120	$95	$70	$60	$65

586 PCI M/B

- Intel Triton III VX Chipset
- CPU Supports Intel Pentium® 233MHz MMX, Cyrix 686 & AMD K5, K6
- Supports EDO Memory
- Built-in Enhanced IDE 16550 I/O

SALE: $85 (w/512K)

With CPU

- 686 200+ $157
- K6 200/166 ..... $260/205
- MMX 200/233 ..... $300/325

Includes FREE Fan!

MONTHLY SPECIALS

Pioneer Blank CD	$5
Teac FD Combo	$55
Syquest 270MB SCSI Int.	$219
Micropolis 540MB SCSI.	$119
Toshiba 2.5" 340MB	$109
HD Removable Frame.	$19
Used IDE 40MB	$35

MONITORS (3YR. WARR.)

9" TVS Mono	$105
14" Leo .28	$140
15" Sampo .28	$209
17" HP OEM	$389
17" Sony 200SF 1280x1024 .25	$645

MULTIMEDIA

8X CD-ROM IDE	$54
12X CD-ROM IDE	$62
16X CD-ROM IDE	$65
24X Toshiba IDE	$79
16-Bit Sound Card PnP	$18
Sound Blaster 16/32/64...	$42/69/78
Speakers 120/240W.	$15/30

CONTROLLER CARDS

EIDE I/O VLB	$9
WD SCSI PCI	$59
Adaptec 2940 PCI	$152
TEKRAM CACHE CTR	
DC-600T ISA/IDE	$79
DC-620B EISA/IDE	$59
DC-680 VLB/IDE w/1MB	$79
DC-320 EISA/SCSI	$59

CPUs

INTEL

Pentium® II/Pro	Lowest
MMX 166/200/233	$129/215/290
Pentium® 200/166/150	$175/135/99
Pentium® 133/100/60	$93/85/29
DX4-100	$40
387SX-33	$14

AMD

K6 233/200/166	$350/175/120
K5 166/133	$95/71

CYRIX/IBM

686 200+	$72

SIMM MEMORY (MAJOR BRAND)

30 pins

1M/4M	$5/18

72 pins (EDO)

4M 1x32	$18
8M 2x32	$28
16M 4x32	$39
32M 8x32	$85

CACHE MEMORY

32Kx8 (5V)	$4
64Kx1	$5
64Kx8 (5V)	$8
128Kx8 (5V)	$12

PIPELINED BURST

256K/512K	$10/20

HARD DRIVE

(3-Year Warranty)

Fujitsu 2.6GB/3.5GB	$155/179
Western Digital 3.1GB	$190

(1 Year Warranty)

Samsung 2.1GB	$149
Iomega Zip Drive Int.	$110

(30 Day Warranty)

Seagate 635MB	$99

CASES

Mini Tower Case w/230W	$24
Med Tower Case w/250W	$35
Full Tower Case w/250W	$53
ATX Mid Tower Case	$65
Power Supply	$20
Desktop w/250W	$33

VGA CARDS

Matrox Mystique 220 2/4M	$98/115
Cirrus Logic PCI 1/2M	$23/33
Diamond Stealth 1/2M	$40/50
Trident 1/2M	$20/30

MODEMS

9600 Int/Ext	$15/29
14.4/28.8	$29/40
33.6/56K	$46/75
33.6 US Robotics	$79
56K US Robotics	$135
56K Diamond Supra w/Voice	$99

NETWORKING

NE2000 ISA/PCI PnP	$15/19
3Com 3C905TX PCI	$60
3Com 3C509-TPO	$45
Intel BNC/AUI	$45
Intel 100 BaseT PCI	$54
Hub 9/17 Port	$53/105
Cables: Coaxial/Twisted Pair.	$Call
Terminator, Connector	$Call

- CPU and memory related products are not exchangeable or refundable
- Quantity is limited to stock on hand
- Not responsible for typos or technical errors
- All prices reflect COD cash discount
- Prices subject to change w/o notice

GOVERNMENT, UNIVERSITY AND APPROVED CORPORATE P.O.'S WELCOME • 1-YEAR PARTS/ 3-YEARS LABOR/ LIFETIME TECH SUPPORT • LIMITED WARRANTY

LYNX

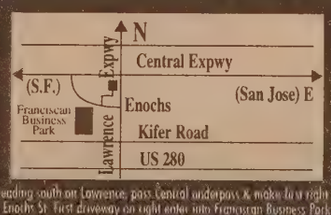
STORE HOURS
MON-FRI 9AM-6PM
SAT 10AM-4PM
SINCE 1987

Fortune Micro Inc.

3054 Lawrence Expwy, Santa Clara, CA 95051

(408) 481-9288 FAX:(408) 481-0866

Find us in The Franciscan Business Park



Heading south on Lawrence, pass Central underpass & make 1st right on Enochs St. First driveway on right enter into Franciscan Business Park.

We Sell,
You Resell!

ASA MICRO DISTRIBUTION

A Resellers/VAR Division of ASA Computers, Inc.

Wholesale Prices ALWAYS!

JOIN THE CLUB! ASA invites you to be a part of our fast paced Reseller/ VARs Team. We will provide you with PERSONALIZED SALES SUPPORT, OUTSTANDING CUSTOMER SERVICE, FULL TECHNICAL SUPPORT & BEST PRICES! To learn more about becoming a member of ASA Micro Distribution, Call us at: (408)232-5999 X 213, Visit our office location or check out our web site at: **www.asacomputers.com**

PROCESSORS

Pentium® II 233 MHz Processor.....$422
Pentium® 200 MHz w/MMX Processor.....$227
Pentium® 133 MHz (Boxed) Processor.....$99

MOTHERBOARDS

Intel IPLT430TX (Loan Tree).....$158
Intel IPL440LX (Atlanta).....$190
RSLR TRI IN M/B.....$72
Shuttle TX Chip M/B.....$97

MEMORY

4X32 EDO.....$34
8X32 EDO.....$70
32 MB SDRAM 10NS.....$92

HARD DRIVES

Seagate 1.7 Gb IDE.....$115
Seagate 2.0 Gb SCSI ST32272N/W.....$310/330
Seagate 4.0 Gb SCSI/SCSI WIDE.....$496/520

CONTROLLER CARDS

Adaptec 2940 Ultra Card.....$165
Adaptec 2940 Ultra Wide Card.....$186

GRAPHIC CARDS

#9 Imagine series II 4MB VRAM AGP/PCI.....$235
#9 Imagine series II 8MB VRAM AGP/PCI.....$455
Matrox Mystique 220 4MB Retail.....$118
Matrox Millenium II 4MB Retail.....$182
Matrox Millenium II 8MB Retail.....$258
PCI VGA Trident 9680 2MB.....$25.25

MONITORS

Impression 14" SVGA NI.....$152
Impression 15" SVGA NI.....$223
Impression 17" SVGA NI.....$412
ViewSonic P-810 21".....$1240

NETWORKING

3COM 10/100 PCI 10 BT Ethernet Card.....$56.50
NE 2000CTE + Comp ISA Combo PNP.....$17
Hub 8 Port Lan Prof. +1 BNC.....$56
Hub 16 Port Lan Prof. +1 BNC/AUI.....$165

CASES

Medium Tower ATX w/235W PS.....$64
Roadrunner (Med.) AT w/ 230W PS.....$50
Full Tower ATX.....$112

FLOPPY DRIVE

TEAC 1.44 MB.....$18.25
Mitsumi 1.44 MB.....$16.60

KEYBOARD

Mitsumi 104 Key.....$10.75
Keytronics 104K PS2.....$18.25

MOUSE

Microsoft Serial Mouse.....$20.50
Microsoft Intellimouse.....$49.25

MULTIMEDIA

Toshiba 24X IDE CD ROM.....$75.50
Soundblaster 16 OEM.....$41

Best Buy @ $1625
Intel PD440FX MB, w/ Soun Pentium II 300MHz, Fan, 32MB SDRAM, 1.7GB IDE HDRV, Medium Tower ATX w 235W ATX PS, TEAC 1.44 Floppy Dr., Matrox Millen. II 4MB WRAM

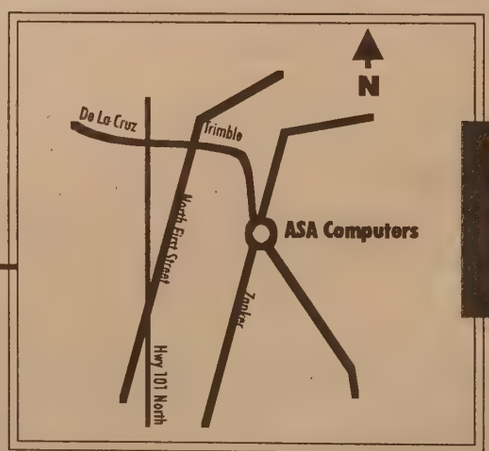
Super Buy @ $805
Intel IPLT430TX MB, Pentiu 200MHz, w/MMX Technolog Fan, 32MB SDRAM 10NS, 1.7GB IDE HDRV, Medium Tower w/235W ATX PS, TEA 1.44 Floppy Dr., Mat. Mystic 2MB WRAM

Value Buy @ $485
RSLR M/B VX Chip, Pentiur 166MHz, Fan, 16MB EDO ESIMM, 1.7GB IDE HDRV, Roadrunner Mini Tower w/ 230W PS, TEAC 1.44 MB, Trident 2MB PCI Card

Assembly is included. CD-ROM, Monitor, Keyboard, Mouse, OS is not included.

Reseller Tech Support Line
Same Day Shipments
Personalized Service
Wide Selection of Parts
Easy Ordering On the Web
Friendly Customer Service

- Microsoft Solution Provider
- Compaq Authorized
- HP Authorized
- Notebooks



The Club is for Resellers/ Vars!
200 E. Trimble Road
San Jose, CA 95131

Cash and COD Only. Price and Availability subject to change without notice.

LEGALITIES: RESELLER QUALIFICATION WILL BE REQUIRED AT THE TIME OF SALES. 1 YEAR PARTS & LABOR WARRANTY ON OUR INTEGRATED DESKTOPS, SERVERS & WORKSTATIONS. 30 DAYS RETURN POLICY ON ALL ASA COMPUT EXCLUDING OPEN SOFTWARE & MONITORS. RETURN SHIPMENTS MUST BE PREPAID, INSURED & INCLUDE AN RMA # (GIVEN BY OUR RMA DEPT.). 15 DAYS RETURN POLICY ON CPUS & MEMORY. ALL RETURNS SUBJECT TO 15% RESTOCK FEE. NO RETURNS AFTER 30 DAYS. ALLOW 21 DAYS FOR REFUNDS. LABOR & SHIPMENT CHARGES ARE NONREFUNDABLE. ALL PRICES ON SYSTEMS & PARTS REFLECT CASH DISCOUNTS

200 East Trimble Road, San Jose, CA 95131 • SALES: 1-800-REAL-PCS • TEL: 408-473-0400 • FAX: 408-232-5959
http://www.asacomputers.com E-mail : info@asacomputers.com Office Hours: M-F 8-5, Sat 9-1 PST

A.R.T. MULTIMEDIA SYSTEMS, INC

424 S.MAIN STREET., MILPITAS, CA 95035
Tel. (408) 946-7852 * Fax (408) 946-7892
E-Mail: Artcom 7853@AOL.COM

Bus Hrs:
Mon-Fri: 9:30-6:00
Sat-Sun: 11:30-4:00

The Best in Service, Quality, and Price

Visit our WebSite at http://www.artmul.com
We provide ON SITE service, set-up, pickup, & delivery.
We have the lowest rates on labor & service for UPGRADES & REPAIRS

*Prices & availability subject to change without notice.
*Not responsible for typos.
*Prices based on check prices.
*Cash discount for currency only.
*Company term on credit approval
*School & Government PO's accepted

FOR THE MOST UPDATED PRICES, PLEASE REFER TO OUR SUNDAY SJ MERCURY COMPUTING AD

INTEL DUAL PENTIUM PROSERVER

Intel PR440FX "Providence" Motherboard
Intel Natoma (*82440FX) Chipset
2 Intel CPUs w/Heatsinks & fans
32MB EDO (4X72) ECC DIM
Diamond **Stealth 3D** 2000 2MB
PCI EIDE w/IO & 16550 UART
Adaptec Ultra Wide SCSI
2.2GB IBM Ultra Wide
1.44 TEAC FD
ATX Medium Tower Case
104 Mitsumi KB w/ WIN 95 Key
Crystal 16 Soundcard
Toshiba 24X EIDE CD ROM
180W Stereo Speakers
Microsoft PS2 Mouse & Pad
Intel Etherexpress Pro TPO
MGC 15" NI (1280x1024, .28dp)

Pentium Pro® 200 $2000

SUPERIOR PERFORMANCE

Intel **LoneTree LT430HX** chipset, **supports Ultra DMA**
512K Pipelined Burst Cache
Intel CPU w/Heatsink & fan
32MB SDRAM DIM
Matrox Mystique 220 w/4MB SG Ram.
PCI EIDE w/IO & 16550 UART
3.2 GB Ultra DMA HD
1.44 TEAC FD
ATX Medium Tower Case
104 **Keytronics** w/ WIN 95 Key
Creative Labs SB 64 AWE
Toshiba 24X EIDE CD ROM
180W Stereo Speakers
Microsoft PS2 Mouse & Pad
ViewsonicG773 17"monitor
US Robotics **33.6 W/voice** Fax

Pentium® 233MMX $1725
Pentium® 200MMX $1642
Pentium® 166MMX 1554
Pentium® 200 1640

ULTIMATE PROFESSIONAL

Intel Anchorage AN430TX chipset, supports Ultra DMA
512K Pipelined Burst Cache
Intel CPU w/ Heatsink & fan
16MB SDRAM DIM
Diamond 3D 2000 w/ 4MB EDO RAM
PCI EIDE w/IO & 16550 UART
1.7GB Ultra DMA HD
1.44 TEAC FD
ATX Medium Tower Case
104 Mitsumi KB w/WIN 95 Key
Yamaha MF701 16 bit stereo SC
Toshiba 24X EIDE CD ROM
180W Stereo Speakers
Microsoft PS2 Mouse & Pad
MGC 15" NI (1280x1024, .28dp)

Pentium® 233MMX $1080
Pentium® 200MMX $997
Pentium® 166MMX 908
Pentium® 150 885

MMX INTELLIGENT POWER

Asus TX97 w/Intel 430TX chipset MB supports Ultra DMA/33, SDRAM
32 MB SDRAM
Matrox Mystique 220 w/ 4 MB
3.2 GB Quantum Ultra Eide
1.44 TEAC FD
ATX Medium Tower Case
104 Keytronics KB w/ WIN 95 Key
MGC 1785 17" monitor
Creative Labs AWE 64 SC
Toshiba 24x EIDE CDROM
33.6 US Robotics Fax modem w/voice
180W Stereo Speakers
Microsoft PS2 Mouse & Pad

Pentium® 233MMX 1650
Pentium® 200MMX 1567
Pentium® 166MMX 1479
AMD K6 233 1729
AMD K6 200 1550
AMDK6 166 1470

SMART AN430TX SYSTEM

Intel Anchorage AN430TX chipset w/512K MB, supports Ultra DMA, 32MB SDRAM DIM.
Matrox Millenium II w/4MB
PCI EIDE w/IO & 16550 UART
3.2 GB Quantum Ultra Eide
1.44 TEAC FD
ATX Medium Tower Case
104 Keytronics KB w/ WIN 95 Key
Viewsonic G773 17" Monitor
Yamaha OPL4 16 Bit SC
Toshiba 24X EIDE CD ROM
56K US Robotics Fax modem w/voice
180W Stereo Speakers
Microsoft PS2 Mouse & Pad

Pentium®233MMX$1774
Pentium®200MMX 1690
Pentium® 166MMX 1603
Pentium®200 1689
Pentium®166 1609
Pentium®150 1579

PENTIUM II LX440 POWER

Intel Atlanta AL440LX MB w/Yamhaha OPL3-SA audio
Supports AGP (Accelerated Graphics Port)
Intel CPU w/256K cache & Fan
32MB SDRAM Dim (10 NS) upgradable to **384MB SDRAM**
Diamond Viper 330 AGP 4MB
4.3 GB Ultra DMA HD
1.44 TEAC FD
ATX Medium Tower Case
Keytronics PS2 keyboard
Microsoft PS Mouse & Pad
MGC 1785 17" Monitor
US Robotics 56K Faxmodem w/ voice
180W Stereo Speakers
Toshiba 24X EIDE CD Rom

Pentium II® 300 $2153
Pentium II® 266 $1998
Pentium II® 233 $1870

NOTEBOOKS

TOSHIBA

***Satellite Pro 440CDT:**
133Mhz MMX, 1.34GB, 10X, 16MB Edo, 12.1" TFT, 28.8Fax
$2667

*** Satellite Pro 460CDT:**
166Mhz MMX, 2.0GB, 10X, 32MB Edo, 12.1" TFT, 28.8 FaX
$3255

*** Tecra 520CDT:**
166MMX, 2.02GB, 10X, 32MB EDO, 12.1"
$3450

***Tecra 730XCDT:**
150MHZ MMX, 2.02GB, 10X, 16MB EDO, 12.1" TFT, 28.8 FaxModem
$3055

IBM

***ThinkPad 760XL**
166MMX, 16MB, 2.1GB, 12.1" TFT
$3670

***ThinkPad 380D**
150MMX, 16MB, 2.1GB, 12.1" TFT
$2502

***ThinkPad 560E**
166MMx, 16MB, 2.1GB, 12.1" TFT
$3657

SPECIAL PENTIUM PRO SYSTEMS

Intel **VS 440FX Venus** MB
Intel CPU w/256K cache & fan
32MB RAM (EDO 60ns)
Matrox Mystique 220 w/ 4MB SG Ram
2.1 GB EIDE HD
1.44 TEAC FD
ATX Medium Tower Case
104 Mitsumi KB w/ WIN 95 Key
Microsoft PS Mouse & Pad
MGC 15" NI (1280x1024, .28dp)
SoundBlaster64AWE&180W
Toshiba 24X EIDE CD Rom

Pentium Pro® 200 $1370

MULTIMEDIA

❖CREATIVE LABS

SoundBlaster AWE64 Gold Oem	170
SoundBlaster AWE64 GOLD Ret	180
SoundBlaster AWE64 oem	82
❖TOSHIBA	
24X EIDE/12X SCSI	86/110
❖NEC 16X SCSI	100
❖MITSUMI	
8X /16X EIDE	65/80
❖PLEXTOR	
20X w/tray SCSI Int.	210
❖CD Writer	
Yamaha 4X6 Int OEM SCSI	470
Teac 4X4 SCSI Int. OEM	375
Plextor 2X4 SCSI Int. Ret.	395
Sony 2X6 Int Retail SCSI	365
Sony 2X8 Int. Retail IDE	320
❖DVD	
Creative Labs Encore DXR-2	345
Toshiba DVD kit	360

FAX MODEMS

❖SUPRA

56K Int w/voice oem	99

❖US ROBOTICS Sportster

33.6 w/voice Int. oem	99
33.6 w/voice&Spkphne Int/Ext	160/175
56K Int. vo oem / 56K Ext Ret	150/199
56K w/voice Int./Ext Ret	199/220

KEYBOARDS

Mitsumi 104 w/win95 key	15
Maxiswitch/Keytronics	20/23
Focus 2001/7000	28/45
Focus 8000/9000	33/45
Life-on Touch Pad	50
Microsoft Natural OEM w/s	53

MB & CPU'S

Intel DAKOTA Dual Pen II 300/512k	$CALL
Asus P2L97-S LX440+Pen II 300/512k	$1006
Asus P2L97-LX440+Pen II 300/512k	$946
Asus P2L97-LX440+Pen II 266/512k	$737
Intel Atlanta AL440LX+Pen II 300/512k	$937
Intel Atlanta AL440LX+Pen II 266/512k	$728
Intel Atlanta AL440LX+Pen II 233/512k	$602
Portland MB+Pentium II 266Mhz/audio	$729
Providence Dual Pentium Pro 200 256K	$1255
Venus MB+Pentium Pro 200Mhz/256K	$560
Anchorage/512k+Pentium233MMX	$472
Anchorage/512k+Pentium200MMX	$385
Anchorage/512k+Pentium166MMX	$294
Anchorage/512k+Pentium 150Mhz	$270
Lonetree MB/512k+Pentium233MMX	$458
Lonetree MB/512k+Pentium200MMX	$371
Lonetree MB/512k+Pentium166MMX	$280
Asus VX97/512k+Pentium 233MMX	$395
Asus VX97/512k+Pentium 200MMX	$308
Asus VX97/512k+Pentium 150 Mhz	$191
Asus TX97/512K+Pentium 233MMX	$454
Asus TX97/512K+Pentium 200MMX	$367
Asus TX97/512K+Pentium 166MMX	$275
Asus TX97/512k+AMD K6 233MMX	$529
Asus TX97/512k+AMD K6 200MMX	$319
Asus TX97/512k+AMD K6 166MMX	$275

VIDEO CARDS

❖TRIDENT

512k/ 1MB ISA/1MB PCI	24/33/30

❖DIAMOND

Stealth 3-D 2mb/4mb EDO	60/83
Monster 3-D w/4mb Dram	155
3D 3000 2MB/4MB VR	110/150
FIreGL1000ProAGPw/4m/8	172/206
Viper 330 AGP 4mb/8mb	172/206

❖SPIDER

Tarantula 64 MK II 2MB VR	50
Tarantula 3-D 4MB EDO	50

❖MATROX

Millenium II 4MB WR oe/re	195/210
Millenium II 8MB WR oe/re	260/275
Mystique 220 4MB oem/ret	130/145
Mystique Rainbow Runner ret	184

❖ATI

3D ProturboPC2TV 4MB/8MB	135/175
All-In-Wonder 2MB/4MB	165/175
XPERT@PLAY AGP 4MB/8MB	180/230
XPERT@WORK AGP 4MB/8MB	170/215

MONITORS

❖NANAO

EIZO FX-B5/TX-C7S	489/958
TX-D7S(20")	1620
EIZO FX-C5/FX-C6	697/780
FX-E7 / FX-E8	1208/1330

❖NEC

P750(17".25dp)/M700	756/735
E500/E700/M500	370/645/365
E1100(21")/P1150(21")	1250/1380

❖MAG

DJ800(19") / DX715T	765/615
DJ530 / DJ700	275/516
DX15T / DX700T (.25DP)	305/570
DJ702 / DJ702E	535/485
Princeton EO 50 / EO70	259/430
Princeton EO 90 (19" .26)	815

❖SONY

100ES / 17SE2 T	364/827
200SF/220-US	670/740
20SE2T/300SFT (20")	1725/1334

❖HITACHI

CM500U/CM620U	292/508
CM800U(20")/CM-630	1234/578
CM-751 / CM802U	965/1423

❖VIEWSONIC

E641 (14") /PT775	200/675
P815(21")/ E655	1410/278
15GS/15GA	305/365
17GA/G771	554/510
G773 / P775	534/637
17PS/17EA	630/530
G800 / G810	985/1190
GT770/GT775	617/630
PT770/PT 813	640/1344

❖NOKIA

447ZA 27"/447XI	574/627
445XI (21") /445XPro	1340/1460

❖IIYAMA

MT-9017E/MF-8617E	630/560

❖MGC

NI 14" Monitor 0.28	150
NI 15" .28 Digital Control	217
NI 17" Monitor 0.28	415
NI 1785 1600X1200 0.26	465

❖COLORADO

T-3000 3.2GB/T4000 8GB	175/360
Iomega Zip 100 IDE Int. bulk	105
Iomega Zip 100 Parralel	150
Iomega Jazz 1.0GB SCSI Int.	285
Iomega Jazz 1.0GB SCSI Ext	375
HP DAT 4-8GB oem	740

❖TEAC

Floppy Drive 1.44	23
OR-technology LS-120	145

HARD DRIVES

❖FUJITSU

1.7 GB EIDE(M3017DMA)	130
2.6 GB EIDE(M3026DMA)	170
3.5 GB EIDE(M3035DMA)	190
4.3 GB EIDE(M3043DMA)	230
5.2 GB EIDE(M3052DMA)	290

❖QUANTUM

3.2 GB EIDE(ST33240A)	192
4.3 GB EIDE(ST34320A)	255
6.4 GB EIDE(ST36480A)	330
2.1 GB UL SCSI(ST32160S)	228
3.2 GB UL SCSI(ST33260S)	290

❖WESTERN DIGITAL

1.6 GB EIDE(AC21600A)	160
2.1 GB EIDE(AC12100)	173
2.5 GB EIDE(AC22500)	183
3.2 GB EIDE(AC23200)	203
4.3 GB EIDE(AC34300)	243
4.3GB UW SCSI (E4360-007)	535
4.3GB UL SCSI (E4360-003)	515

❖SEAGATE

2.1 GB EIDE(ST32122A)	60
2.1GB UL SCSI (ST32272S)	325
2.1GB UW SCSI (ST32272W)	335
4.5GB UW SCSI (ST34572W)	540

❖MAXTOR

4.3 GB ULTRA DMA	235
5.2 GB ULTRA DMA	275
6.4GB ULTRA DMA	315
7.0GB ULTRA DMA	336
8.4GB ULTRA DMA	370

❖IBM

2.1GB UW SCSI (AS32160W)	235
4.3GB UW SCSI (AS34330W)	350

CONTROLLERS

❖ADAPTEC

Adap. PCI 2940AU OEM w/SW	175
Adap. PCI 2940UWw/SWOEM	194

CASES

Baby AT Case w/ 230W	39
Mini Tower case w/230W	30
Medium Tower case 230W	48
ATX Desktop case	65
ATX Medium case	70
ATX Full Tower case	99

SOFTWARE

MS Win NT 4.0 WS w/sys	145
MS Win NT 4.0 Server w/sys	450
Office Standard Win 97 w/sys	155
Office Pro for Win 97 w/sys	195

MICE

MS mouse serial/bus w/sys	23/48
MS IntelliMouse w/sys	37
Logitech Mouseman/Trackman	23/40
Logitech Marble Trackman	50

***Pentium is a registered trademark of Intel Corporation.**

YOUR ONE STOP

Systems & Motherboards

PENTIUM® II
300/266/233
Intel Motherboard (No Sound Card)
440LX Chipset
$1298/$1048/$898
MOTHERBOARD/CPU
$1088/$828/$678

PENTIUM® II
300/266/233
Intel Motherboard (No Sound)
440FX Chipset
$1218/$968/$818
MOTHERBOARD/CPU
$1058/$789/$648

300/266/233
Microstar Motherboard
440LX or 440FX Chipset
1208/$958/$808
MOTHERBOARD/CPU
$1048/$788/$638

PENTIUM® 133/150/166MMX/200MMX/233MMX
PCI
INTEL ANCHORAGE M/B
TRITON CHIPSET
$458/$468/$498/$588/$678
MOTHERBOARD/CPU
$288/$298/$328/$428/$518

PENTIUM® 133/150/166MMX/200MMX/233MMX
PCI
INTEL LONGTREE MOTHERBOARD
TRITON CHIPSET
$438/$448/$478/$578/$668
MOTHERBOARD/CPU
$278/$288/$308/$408/$498

PENTIUM® 133/150/166MMX/200MMX/233MMX
PCI
TRITON CHIPSET
512K PIPED BURST CACHE
$328/$338/$368/$468/$558
MOTHERBOARD/CPU
$198/$208/$238/$338/$428

PENTIUM® PRO
200/180 PA
INTEL VENUS MOTHERBOARD
$808/$498
MOTHERBOARD/CPU
$638/$328

AMD K6
166/200/233
PCI
TRITON CHIPSET
$358/$408/$648
MOTHERBOARD/CPU
$228/$278/$528

AMD 90/120/133/166MHz
PCI
TRITON CHIPSET
512K PIPED BURST CACHE
$298/$308/$318/$328
MOTHERBOARD/CPU
$158/$168/$188/$198

BASIC SYSTEM CONFIGURATION

- 32MB RAM Intel 440LX M/B
- 16MB RAM Pentium® II & Pentium® Pro
- 8MB RAM Expandable
- IDE 2FD/4HD Controller
- 101-Key Keytronic Keyboard
- Teac 1.44MB Floppy Drive
- 1 Parallel, 2 Serial Ports
- Mini Tower Case (Pentium® Pro, Pentium® II, Anchorage & Lonetree: Uses ATX Mid Tower Case)
- Power Supply
- One Year Warranty

LIFETIME LABOR WARRANTY ON SYSTEM!

MULTIMEDIA COMPLETE SYSTEM
w/ 16X SPEED CD ROM

PACKAGE INCLUDES:
- Motherboard w/512K Cache
- 16 MB RAM
- 1.7GB Hard Drive (Fujitsu)
- Mini Tower Case
- 16X IDE CD-ROM (Funai)
- Sound Blaster 16 OEM Soundcard
- Teac 1.44MB Floppy Drive
- 14" SVGA 1024x768 .28mm NI Color Monitor
- SVGA Card w/1MB (Trident Chipset)
- IDE Enhanced Controller (2S/1P/1G)
- 101 Keyboard
- 25W Speakers
- Microsoft Compatible Mouse
- Windows 95 Software

CALL FOR OTHER CONFIGURATIONS & OPTIONS

K5 120MHz (AMD) (PCI) $858
K5 133MHz (AMD) (PCI) $878
K6 166MHz (AMD) (PCI) $918
PENTIUM® 133MHz (PCI) $888
PENTIUM® 166MHz MMX (PCI) $928

Peripherals

VIDEO CARDS

ATI 3D Pro 8MB (OEM) $179
ATI 3D Xpression+ 4MB DRAM PC2TV (OEM) 119
ATI 3D Pro 4MB OEM/Retail 149/199
ATI Expert@Play AGP 4MB 195
ATI Expert@Work AGP 4MB 179
Diamond Stealth 64 2MB VRAM PCI 89
2MB Upgrade For Above 69
Diamond Stealth 64 1/2MB DRAM PCI 55/71
Diamond 3D Monster 4MB PCI Ret./OEM 189/159
Diamond 3D 2MB/4MB DRAM 75/99
Diamond 3D 3000 2/4 MB VRAM 139/179
Matrox Millennium II 1600x1200
4MB WRAM PCI 195
8MB WRAM PCI 295
4MB WRAM Upgrade 125
8MB WRAM Upgrade 195
12MB WRAM Upgrade 285
Matrox Mystique 220 2/4MB (Retail) 109/145
Matrox Mystique Rainbow Runner 239
Matrox Mystique 2 MB Upgrade 59
Trident PCI 1MB (64 Bit MPEG) 45
VGA (1024x768) 1MB ISA 45

DRIVE CONTROLLERS

IDE Controller $17
Enhanced IDE VLB 2S/1P 29
KW557 IDE ISA 2S/1P 39
Adaptec 1522A 85
Adaptec SCSI 1542C OEM/w/software 175/239
Adaptec 2940 SCSI PCI (Bus Mastering) 189
Adaptec 2940 ULTRA SCSI PCI 199
Adaptec 2940UW Ultra Wide SCSI 235
Adaptec 3940 PCI Multi-Channel 399
8 Bit SCSI Card 49
Promise EIDE 2300 Plus 4HD/2S (16550)/1P 49
Promise EIDE MAX IDE 32

I/O CARDS

AT-I/O (2S/1P/1G) $15
Printer Card 12

KEYBOARDS

Microsoft Natural Keyboard $65
Keytronic 101 Win 95 29
MAXISWITCH 101 Keyboard 29

MONITORS

Iiyama (IDEK)
MF8617E 17" .26 ..... $555
MF9017E 17" .25 665
MT9021E 21" .3 1175
MT8721 21" 1800X1440 1295
NANAO
FX-C5 17"/FX-C6 17" .27, 1280X1024 759/859
TX-C7S/TX-D7S 17" .25, 1600X1200 1025/1795
FX-2 21" .26, 1600X1280 2865
VIEWSONIC
P810 21" 1600x1280 .26 1345
G800 20" 1600x1280 .28NI 1055
17PS 17" 1600x1200 .25 685
G771 17" 1280x1024 .27NI 545
15GS 15" 1280x1024 NI 339
E641 14" Non-Int 205
9" Mono VGA 119
15" SVGA 1280x1024 (2 Yr. Warr.) 245
SVGA NI 1024x768 .28 (2 Yr. Warr.) 179
NEC Monitors ..... CALL
PANASONIC S70 (17") 1024x768 .28 499
SONY
CPD 100SF/CPD200SF 75Hz 395/715
CPD300SF 20" 1455
ART MEDIA (Sony OEM) TX1864 17" 599
NOKIA
447ZA (17") 1024x1024 .28 (w/Spk) 615
447X 929
445Xi (21") 1600x1280 1695

MODEMS & FAX/MODEMS

Megahertz PCMCIA FaxModem (28.8/14.4) $235
US Robotics Sportster
33.6 Fax Modem Int w/Speaker Phone/ Voice Mail (Item #1171) Reg./OEM 159/109
33.6 Fax/Modem Int/Ext 139/149
PCMCIA 33.6 Fax/Modem 199
33.6 Fax/Modem OEM 95
56K Fax/Modem Int./Ext. 179/199
56K Fax/Modem w/Voice Int./Ext. 199/219
56K Fax/Modem w/Voice (OEM) 159
SupraExpress
33.6 Fax/Modem w/ Voice Mail Int. 69
56K Fax/Modem 119
MODULATOR 33.6 Fax/Modem 59

TAPE BACK-UP

HEWLETT PACKARD
C1534 4mm DAT 2GB SCSI INT $549
C1536 4mm DAT 24GB SCSI INT 595
C1599 4mm DAT 8GB SCSI INT 765
5.25" Mounting Frame 28
COLORADO
3.2GB T3000 (w/1 Tape) 179
4GB T4000 SCSI TRAVAN INT 375
Travan (800MB) Tape 27.95
Travan 3200 Tape 29
IOMEGA ZIP Drive 100MB SCSI 149
ZIP Drive 100MB IDE 118
Ditto 3200MB Int/Ext 235/259
JAZ Int/Ext 299/399

DISK DRIVES

All HDs Come with Mounting Bracket

O.R. Technology 120MB Floppy $139
TEAC 1.2MB 43
3.5" (1.44MB) w/Frame 31
MAXTOR
5 GB IDE ..... CALL
FUJITSU
1.6 GB IDE 139
2.5/3.5 GB IDE 179/199
5GB Ultra DMA IDE 295
WESTERN DIGITAL
WDAC 1.2 GB IDE 159
WDAC 1.6 GB IDE 169
WDAC 2.1GB IDE 179
WDAC 32500 2.5 GB IDE 209
WDAC 12100 Ultra DMA (2GB) 179
WDAC 33100 Ultra DMA (3GB) 219
WDAC 34300 Ultra DMA (4GB) 259
WDAC 36480 Ultra DMA (6GB) 345
SEAGATE, QUANTUM LARGER CAPACITY DRIVES ..... CALL
QUANTUM
1/2 GB SCSI 229/239
6 GB IDE/SCSI 369/499
2/3/4GB Ultra DMA IDE 199/225/269

NETWORK CARDS

Ethernet Combo PCI $39
Ethernet Combo 16 Bit (Celan) Plug N Play 39
3 COM
3C509 TP/OEM/Reg 59/118
3C509 Combo OEM/Reg 94/129
3C589TP (PCMCIA) 139
3C900 Combo PCI OEM/Reg 99/135
3C900TP OEM/REG 89/115
3C575TX 10/100 PCMCIA Card 155
3C905TX (100MB) PCI TP/OEM/Single 79/109
Intel EtherExpress Pro (100MB) PILA 8465B Single/5 Pack 69/425
Intel EtherExpress Pro 8220TP Single/5 Pack 99/395
5/8/16 Port Hub 59/79/135

U.P.S.

650 VA $155

COMPUTER CASE

17" Baby AT Case W/200W P/S $79
Vertical Case 250W P/S 99
Medium Vertical Case 250W P/S 95
Mini Vertical Case 250W P/S (UL P/S) 69
ATX Medium Tower Case 95
ATX Full Tower Case 115
ATX Desktop Case 99

POINTING DEVICES

PC Joystick $16
Logitech 2-button PS/2 Mouse 19
Logitech Cordless Mouse 85
Logitech Bus Mouseman 64
Logitech Mouseman Combo/OEM 49/29
Logitech Trackman Marble/OEM 85/55
Mouse (Serial 9 Pin) 9
Mircrosoft PS2 Mouse (OEM) 35
Microsoft Mouse Bus/Ser (400dpi) 85/75
Microsoft Mouse Grey Ser/Bus (OEM) w/System Purchase Only 29/65
Mircrosoft IntelliMouse/OEM 69/49

MISCELLANEOUS

Windows 95 Release 2, CD/Disk w/System Purchase Only $99/109
Windows For Workgroups (w/System purchase only) 56
McAfee Virus Scan Deluxe 66
MS DOS 6.2 (w/System only) 45
6/10/15/25' printer cable 3.50/6/10/20
Keyboard Extension cable 5
Monitor Extension cable 5
Power Center 18
Printer switch box (AB/ABCD) 9.50/19
Printer switch box auto (AB/ABCD) 18/35
Power supply 220W 48
Memory Chips (DIPS/DIMMS/SIMMS) ..... CALL
Power Strip 7

PRINTERS

HP PRINTERS ..... $CALL

AROMA Computer Systems
Always Ready to Offer More Assistance

YOUR ONE STOP MULTIMEDIA SOURCE

Peripherals

- PANASONIC 24X IDE CD-ROM INTERNAL $95
- TEAC 16X SCSI CD-ROM 119
- FUNAI 16X IDE CD-ROM INTERNAL. 75
- NEC CDR-1610 16X SCSI INTERNAL 109
- TOSHIBA 24X IDE CD-ROM INTERNAL 95
- TEAC 24X IDE CD-ROM INTERNAL 95
- RICOH MP6200-S 6X2 CD-RECORDER INTERNAL . 539
- MICROPHONE. 9

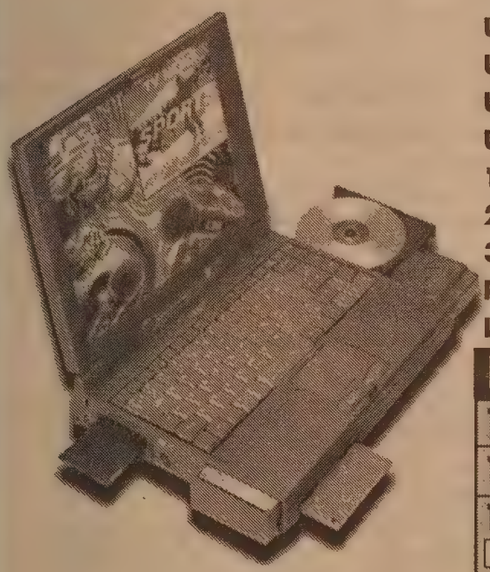
Multimedia Products

- SOUND BLASTER AWE 64 Gold $195
- SOUND BLASTER AWE 64 Retail/OEM . . .185/95
- SOUND BLASTER 32 WAVE TABLE (OEM) 85
- SOUND BLASTER PRO 16 BASIC IDE (OEM) . . .55
- ACER 16-bit Sound Card 29
- SPEAKERS 4W/25W/160W/3-D 500W 7.99/30/39/89
- YAMAHA YST-M15 SPEAKERS 69
- WRITABLE CD DISKETTE . . . . . .4.50 EA.

Aroma Highest Quality Pentium Notebooks

NEW!

MMX Technology Notebook



UPGRADES:

- Upgrade to 24MB. . . +55
- Upgrade to 32MB. . +105
- Upgrade to 48MB. . +185
- Upgrade to 80MB. . +399
- 1.4GB . . . . . +30
- 2.0GB . . . . . +105
- 3.0GB . . . . . +265
- Removable HDD Kit. . +29
- Lithium Ion Battery. . +85

STANDARD FEATURES:

- Supports Intel Pentium MMX Technology
- Built-in 16X CD-ROM
- 1.44MB Floppy Drive
- 1.3GB Hard Drive
- 2MB Video Display
- 128-bit Graphic Chipset
- Lithium Ion Battery Option
- Removable Hard Drive
- 800X600 Resolution
- 16MB EDO RAM On-board (Exp to 80MB)
- Two PCMCIA Type II or One Type III Slots
- Touchpad Pointer
- 1 Year On-Site Service

DISPLAY/SPEED	133MHz	150MHz	166MMX	200MMX	233MMX
12.1" ACTIVE MATRIX	$2098	2108	2138	2238	N/A
12.1" DUAL SCAN	$1638	1648	1678	1778	N/A
13.3" ACTIVE MATRIX 1024x768 Resolution • 20X CD-ROM	$2808	2818	2848	2948	3038
14.2" ACTIVE MATRIX 1024x768 Resolution • 20X CD-ROM • USB Port	$3518	3528	3558	3658	3748

* AVAILABILITY OF NOTEBOOKS IS SUBJECT TO AVAILABILITY OF CPUs

CD-ROM Titles

For a complete list and more info visit our Web Site!

http://www.aromatech.com

Clearance Blowout on CD Titles from $3.50!! Too Many Titles to List!!

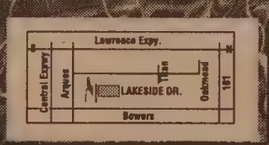
CD TITLES SPECIAL

New Reductions on Most CD Titles

PLEASE CHECK OUR CLEARANCE BOXES
CD TITLE BLOWOUT SALE FROM $3.50

Always Ready To Offer More Assistance

AROMA computer Systems



470 LAKESIDE DR., Suite F
SUNNYVALE, CA 94086
Tel: (408) 736-4355
FAX: (408) 736-4356

Prices Subject to Change w/o Notice. Prices Good At Sunnyvale Store Only.

MODESTO OFFICE:
3430 Tully Rd., Ste. #21
Modesto, CA 95350
Tel: (209) 525-8080
FAX: (209) 525-8120

FRESNO OFFICE:
3071 W. Shaw Ave. #101
Fresno, CA 97113
Tel: (209) 243-4250
FAX: (209) 243-4255

HOURS: M-F 9-7 Sat 10-4 EMAIL: sales@aromatech.com

Your Computer Service Provider Since 1990

On-Site Service for Your Home or Business

We offer you Custom System Configuration

Complete Upgrade & Repair Center

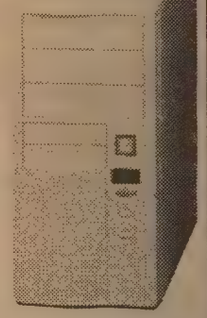
Corp., Govt., School, & Special Orders Welcome!

Upgrade 386/486 to Pentium® System w/16MB, 1GB, 8X CD $399 w/Trade-in

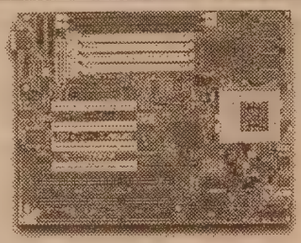
Ready-To-Go Bare Bone

- Intel MMX 166MHz CPU
- ASUS 512K Super TX Motherboard
- 32MB EDO RAM
- Mitsumi 1.44 Floppy Drive
- SIS Video Graphic
- Mini-Tower Case
- Mitsumi Win-95 Keyboard

$385

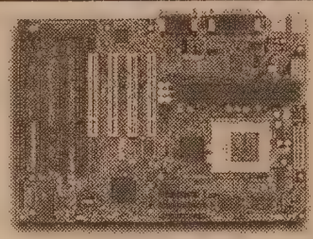


ASUS TX97-E $155



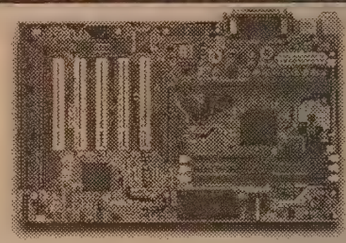
M/B+CPU	166MHz	200MHz	233MHz
Intel MMX	$284	$364	$464
AMD	$264	$324	$430

ASUS TX97-X $179



M/B+CPU	166MHz	200MHz	233MHz
Intel MMX	$308	$388	$488
AMD	$288	$348	$454

ASUS P2L97 AGP $199



M/B+CPU	233MHz	266MHz	300MHz
Intel Pentium® II	$650	$750	$950

MOTHERBOARDS

- ASUS AGP P2L97S U-Wide SCSI on Board $289
- Intel AL440LX AGP w/Yamaha OPL4 ..... $289
- Intel Providence PR440FX Dual Pentium® Pro $425
- ASUS VX97 512K MMX $98
- ASUS SP97 512K w/Video Card $98
- ASUS TX97XE 512K $159
- ASUS TX97XEA 512K $179
- ASUS 440 LX-P2L97S SCSI on Board $289
- TYAN Tiger 2 1692DL $349
- VX-Pro 512K MMX ULTRADMA $65

MOTHERBOARDS WITH CPUS

- Cyrix 6x86 P200+ VX-Pro 512K $139
- Pentium® 150MHz ASUS SP97V 512K $179
- Pentium® Pro Venus 200MHz $578

HARD DRIVES

- Quantum ST Ultra IDE 6.4GB $319
- Quantum ST Ultra IDE 4.3GB $239
- Quantum ST Ultra IDE 3.2GB $195
- Fujitsu Ultra IDE 4.3GB $229
- Fujitsu Ultra IDE 3.5GB $189
- Fujitsu Ultra IDE 2.6GB $175
- IDE 1.2GB Fujitsu $129
- Quantum Viking UWSCSI-2 4.5GB 7200 ..... $499
- WD Ultra Wide SCSI-2 E4360 4.5GB 7200 ..... $499

VIDEO CARDS

- Diamond Viper V330 4MB AGP $165
- Diamond 3D Monster Game 4MB (OEM) $145
- Diamond Stealth 3D 2000 4MB $75
- S3 Trio64 V+ PCI 1MB/2MB EDO $25/35
- Matrox MGA Mystique 220/4MB SGRAM $129
- Matrox MGA Millennium-II 4MB WRAM $169
- Matrox MGA Millennium 2MB WRAM $119
- ORCHID Righteous 3D 4MB $175
- ATI ALL in WONDER 7-in-1 4MB ..... (OEM) $199

MONITORS

- 17" Viewsonic G773 .26 1280x1024 ..... $559
- 17" Viewsonic G771 .27 1280x1024 ..... $539
- 17" Sony 200SF .25 1280x1024 ..... $635
- 15" Sony 100SF .25 1280x1024 ..... $339
- 15" Sampo AlphaScan .28 1280x1024 ..... $220
- 15" DIGIview 1510 .28 1280x1024 ..... $220
- 14" DIGIview 1435 .28 1024x768 ..... $150

CONTROLLER CARDS

- Adaptec 2940UW SCSI PCI $195
- Tekram SCSI PCI $75

FAX MODEMS

- US Robotics 33.6K Int/Voice (BOX) $89/109
- US Robotics 56K Int/Ext (BOX) $169/189
- US Robotics 56K Voice (BOX) $189
- Supra Express 33.6K Voice Fax Modem $59

CASES

- ATX Full Tower w/ATX Power Supply $109
- ATX Elan Vital w/P.S $99
- ATX Med Tower 235 Watt P.S. $79
- Mini/Mid Tower Case 230 Watt P.S. $30/45

MISCELLANEOUS

- Iomega 100 Zip Drive Parallel/SCSI $139
- HP DeskJet 670C $199
- SCANNER UMAX Astra-610p $149
- 3COM 3c900 COMBO $99
- Logitech MouseMan PS/2 ..... $25
- Pentium® CPU Heatsink & Fan $10
- ASUS Elan Vital SMART Fan $15
- Cooler Master K6 Fan 233 ..... $25
- 1.44MB 3.25" Floppy Drive $22

MEMORY & CPUs

- 4MB 30 Pin 4x9-60ns $20
- 8MB 72 Pin 2x32-60ns EDO $25
- 16MB 72 Pin 4x32-60ns EDO $45
- 32MB 72 Pin 8x32-60ns EDO $89
- 32MB 168 Pin SDRAM 3.3v DIMM $99
- CPU Pentium®-2 233/266/300MHz $449/559/760
- MMX 233/200/166MHz $309/209/129
- CPU Cyrix 6x86 P200+ $79
- CPU AMD K6 233/200/166MHz $275/169/109

CD ROM DRIVES

- Creative 24X IDE $95
- Toshiba 24X IDE $89
- Mitsumi 16X IDE $79
- Mitsumi 12X IDE $69
- Mitsumi 8X IDE $59
- SCSI 16X Teac $139
- SCSI 12X Toshiba $109

SOUND CARDS & SPEAKERS

- Sound Blaster 64 AWE Value $75
- Yamaha OPL3 3D Sound Card $25
- 160 Watt QIC 8880 Speakers $25
- 120 Watt QIC 8860 Speakers $19

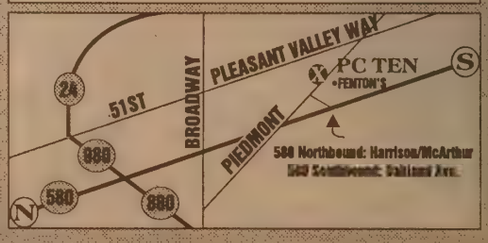
PCTEN INC.

PIEDMONT COMPUTER SINCE 1990

Main Office:
Oakland • Piedmont
4237 Piedmont Avenue
510-652-5268
Fax: 510-652-5380

Albany • Berkeley
1533 Solano Ave.
510-527-1388
Fax: 510-527-7006

Not responsible for typographical errors.
Prices subject to change without notice.
Prices Subject to Inventory on Hand.
All prices reflect cash discount.



Credit Card Purchases Not Accepted For CPU's

VISA MasterCard

AMT INTERNATIONAL

2393 QUME DRIVE, SAN JOSE, CA 95131
TEL (408) 383-9044 FAX (408) 383-9047, 944-9801

Email: amti@hooked.net
www.kode.net.~amti

LOWEST PRICES SAME DAY SHIPPING

CREDIT CARD ACCEPTED
WALK-IN CUSTOMERS ONLY

QUANTITY PRICING FOR DEALERS & VARS, PLEASE CALL!!

INTEL MICROPROCESSORS

•P-II Klamath 266 MHz	•Pentium®200 MHz	•486DX4-100 MHz
•P-II Klamath 233 MHz	•Pentium®180 MHz	•80486DX2-66 MHz
•Pentium®Pro 200 w/512K Cache	•Pentium®166 MMX	IBM CPU CHIPS
•Pentium®Pro 200 w/256K Cache	•Pentium®166 MHz	•686-200+MHz
•Pentium®Pro 180 MHz w/256K Cache	•Pentium® 150 MHz	•686-133MHz (+166)
•Pentium®Pro 150 MHz w/256K Cache	•Pentium® 133 MHz	•686-120MHz (+150)
•Pentium®233 MMX	•Pentium® 100/120 MHz	•686-110MHz
•Pentium®200 MMX	•Pentium® 60/75/90 MHz	

CALL

A.M.D. CPU CHIPS

•K-6 233 MHz(Pent Comp)
•K-6 200 MHz(Pent Comp)
•K-6 166 MHz(Pent Comp)
•K-5 200/233 MHz(Pent Comp)
•K-5 166 MHz(Pent Comp)
•K-5 166 MHz(Pent Comp)
•K-5 133 MHz(Pent Comp)
•K-5 120 MHz(Pent Comp)
•K100 MHz(Pent Comp)
•K90 MHz(Pent Comp)

CALL

CYRIX CPU CHIPS

•MMX 200 MHz
•MMX 166 MHz
•686-150 MHz (+200)
•686-133 MHz (+166)
•686-120 MHz
•686-110 MHz
•686-100 MHz
•CX 486DX2-66 MHz 5V
•586-100/120 MHz
•CX 486DX2-80 MHz 5V
•CX 486DX2-80 3V
•CX 486DX2-100 MHz

CALL

MEMORY UPGRADES - DUE TO THE RAPIDLY CHANGING PRICES CALL FOR THE LATEST PRICES!

SIMMS

30 PIN AVAILABLE
CALL FOR LOWEST PRICES

1x3-70	1x9-80
1x3-60	4x3-70
1x3-80	4x9-60
1x9-70	4x9-60
1x9-60	4x9-80

72 PIN NON-PARITY

1x32	4 MB
2x32	8 MB
4x32	16 MB
8x32	32 MB

72 PIN WITH PARITY

1x36	4 MB
2x36	8 MB
4x36	16 MB
8x36	32 MB
16x36	36 MB

72 PIN EDOs

1x32	4 MB
2x32	8 MB
4x32	16 MB
8x32	32 MB
16x32	32 MB

DIMMs

8 MB	16 MB	32 MB
512K Oblique		256K

Biplane Burst Available

Call For Best Prices

DRAMS

DRAMS

256x1-80	$2
256x1-100	2
256x1-120	2
256x4-60/70/80	3.99
64x4-80/100	4
1x4-80 DIPP	35
1MBx1-70	5.99
1MBx1-80/60	5.99
SOJ	19

CALL FOR LATEST PRICES

ZIPPS

64x4-10/12 Page, 18pin	$4.50
256x4-80/70 Page, 20pin	4.50
256x4 Video Page 28pin TC524256Z-70	7
256x4 Video 28pin TC524256Z-60	7.50
1x4-80/70 Page 20pin ZIPP	20
1x4-80/70 Page 20pin DIPP	22

CACHE MEMORY

32Kx8-20	$4.50
32Kx8-15/12	5
64x4-20	5
64x4-15	3.50
64x8-15/20	2.75
8Kx8-20	2
8Kx8-15	2
16Kx4-20	2.50
16Kx4-15	2.50
64x1-20	4.75
64x1-15	5
128x8-20	19
128x8-25	16

MATH CO's

INTEL/CYRIX/ULSI

287-10	$29
8087-1/2/3	84/67/54
287XL Intel Tube	44
387SL Intel Tube	44
387SX-26/20/33	44
387SX-25 Cyrix	35
387SX-33 ULSI	29
387DX-20 Intel Tube	31
387DX-25 Intel Tube	30
387DX-33 Intel Tube	40
387DX-40 Cyrix/IIT	34
4167-25/33 Weitek	195/375

CALL FOR LATEST PRICES

CALL FOR PRICING ON IIT, ULSI & WEITEK

LASER PRINTER MEMORY UPGRADES

IBM LASER
EPSON LASER
HP LASER
PANASONIC LASER
OKI LASER
QMS LASER
SHARP LASER
PACKARD BELL
NEC
FACIT
FUJI
TEC
BROTHER
STAR
LEXMARK
TEKTRONIC
KYOCERA
AND ALL OTHERS

Call for

SUN SPARC STATIONS, TEXAS INSTRUMENTS, ZENITH MEMORY & PCMCIA CARDS PRICING & INFO!

MEMORY BOARDS

- RAMpAT 16 Bit.....$85 • RAMpAT Plus.....$125
- SIMMply RAM for PS/1 16 Bit.....149
- SIMMply RAM.....159

TEAC FLOPPY DRIVES

1.44 MB	$39
1.2 MB	49
Dual Floppy 1.2/1.44	98
Heat Sink w/Fan For 486's/Pentium	10/18

MEMORY UPGRADES FOR DESKTOPS & LAPTOPS

Acer, Apple, AST COMPUTER, AT&T, Canon, COMPAQ, DEC, CTX Making Technology Affordable, DELL, EPSON, EVEREX EVER for EXcellence®, FUJITSU, HEWLETT PACKARD, IBM®, NCR, NEC, Packard Bell™, Panasonic Office Automation, SHARP®, SILICON GRAPHICS, sun microsystems, TEXAS INSTRUMENTS, TOSHIBA, Twinhead, ZENITH

www.kode.net.~amti

CALL FOR UPGRADING OF PRINTERS & OTHER SYSTEMS
ALL MODELS/ALL MAKES

TERMS AND CONDITIONS

1. Gov't, University and Qualified Firms P.O.'S Welcome
2. U.S. and International Shipping VIA UPS, DHL and Federal Express
3. All Sales Must Include Sales Tax
4. All Sales Must Be C.O.D. Cashier/Certified Checks
5. There Is a 15% Restocking Charge For All Refused Merchandise
6. Prices Subject To Change W/O Notice, Not Responsible For Typo's
7. Call For Latest Prices
8. 30 Day Warranty on 486 CPU's Call For Pentium Warranty

(Pentium® is a registered trademark of Intel)

HOURS: MON-FRI 9am - 5pm

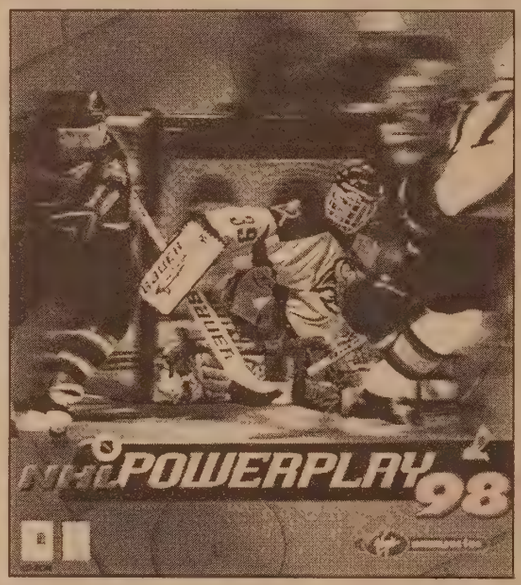
COMPU.D
International, Inc.
www.compu-d.com
1-800-929-9333
SALE Your Prime-Time SALE
Discount Source of
Name Brand Laptops...
TOSHIBA
Authorized Reseller
& Service Center
T-650CT
P133MMX,
11.3" TFT,
4.8Lbs. only
$1,599
$1,845
T-110CT*/700CT* $1295/1395
T-220CDS* /T-220CDS $1395/1499
T-430CDT* /T-440CDT** $1479/1795
T-460CD $2929
T-500CDT /T-510CDT $1829/2329
T-300CT Subnotebook $2849
T-660CDT /T-660CDT* $2795/2095*
Tecra 720CDT/730XCDT $2295/2795
720CDT*/730XCDT* $1795*/2195*
740CDT*/740CDT 3GB $2695*/3295
Port Replicators
PA2703U for 3400/3600/PA2717U NoteDock III $175/480
PA2710UX DeskStation V+ $695
COMPAQ
8XCD-ROM
Armada 4131T P133 16-1.4GB 12.1" TFT $1895
Armada 7710MT P150MMX 16-1.6 12.1" TFT $2295
Armada 7330T P150MMX 16-2.1 12.1" TFT $2295
Armada 1550DMT P133 16-1.4 12.1" TFT $2245
Presario 1080 P166MMX 16-1.4 12.1" TFT $2895
Presario 1610 P150MMX 16-1.6 12.1" DSTN $1995
LTE Elite 4/75CX* 8-500 10.4" TFT $725*
Armada 4130T
P133, 11.8" TFT
$1,895
ThinkPad 560
P133, 12.1" TFT,
4Lbs.
$1,995
IBM ThinkPads
TP 365X P133 8-1.08GB DSTN 11.3" $1225
TP 380ED P166MMX 16-2.1GB, 20xCD DSTN 12.1" $2249
TP 560 P133 8-2.1GB TFT 12.1" $2195
TP 760C P90 8-720MB, TFT 12.1" $1395
TP 770 P233MMX 32-4GB, TFT 13.3" $5695
TP all models in stock. Best Price! CALL
$69
iris Laptops 3 years warranty Satisfaction Guaranteed
P233MMX 32-3GB, CD, 14.1" TFT $3595
P233MMX 32-3GB, CD, 13.3" TFT $2995
P166MMX 16-2.1GB, 16xCD, 12.1" DSTN $1795
P150 16-1GB, CD, 11.3" TFT $1465
Battery f/all Laptops $Best Price
Extensa™ 660CDT
P166MMX,
10xCD,11.3" TFT
$2,095
TEXAS INSTRUMENTS
Extensa 610CD P150 16-1.3, 10xCD, 11.3" DSTN $1595
Extensa 660CD P166MMX 16-1.3, 12.1" DSTN $1995
TravelMate 5270 P120 16-1.3, 11.3" TFT* $1199
$259
LaserWriter 16/600PS MAC & PC
$1,495
Apple
PB. 1400C 603e/166MHz, 8xCD, 11.3" TFT
$2,235
PowerBook 3400c/240 16-3GB, CD $3595
PowerBook 3400c/200 16-2GB, CD $2695
PowerBook 5300cs/100* 8-750 $995*
Call for our Super Bargains on
Desktop Computers & Accessories
Tel:(818)-787-3282 Fax:(818)787-5555
6741 Van Nuys Blvd., Van Nuys, CA 91405
e-mail:csales@compu-d.com
Prices reflect Cash Discount Orders & subject to Prior Sales & Change W/O Notice!
* Factory reconditioned w/warranty Micro#11/2697

Product Announcements *continued from page 134*

navigate Istanbul's palaces, mosques, and bazaars through plot twists that begin in modern-day Istanbul, but take the player on a wild journey to Turkey's glorious past. ($49.95, Windows 95 CD-ROM, optimized for Intel's MMX technology) Discovery Channel Multimedia, 7700 Wisconsin Ave., Bethesda, MD 20814-3579, 1-800-762-2189. (301)986-1999. URL: *http://www.planetexplorer.com* .

NHL Powerplay '98

NHL Powerplay '98, for Sony PlayStation and Windows 95 CD-ROM, puts players on the ice and in the skates of the National Hockey League Players' Association's top pros. Gamers will feel every body check, psyche-out their opponents with the fake shot, hook their competitors, and defend the goal using various aggressive approaches depending upon the circumstances. All of the excitement takes place in an on-the-fly 3-D environment, featuring true-to-life 3-D rendered NHL stadiums. In addition, players can be traded, enabling gamers to face-off in true simulations as both coach and general manager. The teams they bargain with will play in each NHL team's actual playing style from the never-say-die attitude of the Anaheim Mighty Ducks to the slick puck handling of last year's Stanley Cup champs, the Colorado Avalanche. ($34.99, Windows 95; $39.99, Sony PlayStation) Virgin Interactive Entertainment, 18061 Fitch Ave., Irvine, CA 92714. (714)833-8710.



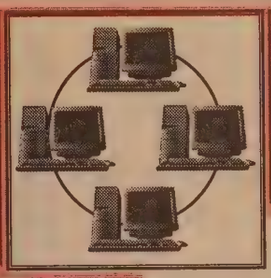
Grim Fandango

A dramatic and mythical story of crime and corruption set in a surreal world inspired by Mexican folklore comes to life in *Grim Fandango*. Combining elements of classic film noir with a mysterious and engaging story, *Grim Fandango* tells of the four-year search for redemption by Manny Calavera, a travel agent in the Land of the Dead. Manny, a working stiff, is stuck in his own personal purgatory with the ultimate dead-end job. Employed by the Department of Death, Manny must pick up people in the Land of the Living, bring them to the Land of the Dead, and set them off on a four-year journey across the underworld—an excursion that all souls must make before they come to their eternal resting place. Manny can't move on until he meets his sales quota, but what he doesn't know is that the cards are truly stacked against him. He's caught in the middle of an embezzlement ring that's preventing

THE BEST SOURCE FOR ALL YOUR NEEDS SINCE 1985

NETWORK & INTERNET SERVICE

- INTERNET SITE • WEB PAGE DESIGN • E-COMMERCE
- CERTIFIED NETWORK ENGINEERS
- DESIGN & SET UP NETWORKING SYSTEMS
- COMPLETE INSTALLED OF HARDWARE AND SOFTWARE
- ON-SITE SERVICE & TRAINING, SERVICE CONTRACTS
- EXPERT TROUBLESHOOTING • QUICK RESPONSE TIME
- FREE ON-SITE NETWORK CONSULTATIONS!



PRECONFIGURED WINDOWS NT 4.0 NETWORK SERVER & WORKSTATIONS

200MHz DUAL PENTIUM® PRO PROCESSING SUPER FILE SERVER SYSTEM
(SEE BELOW FOR MORE DETAILS)
10+ & SERVER $14,890

PENTIUM® II 266MHz AGP FILE SERVER SUPER PERFORMANCE SYSTEM
(SEE BELOW FOR MORE DETAILS)
10+ & SERVER $13,980

INTEL VENUS PENTIUM® PRO 200MHz PENTIUM® PRO SYSTEM
(SEE BELOW FOR MORE DETAILS)
5+ & SERVER $7,785

FOR MORE SYSTEM INFORMATION PLEASE CALL FOR THE *FREE ON-SITE NETWORK CONSULTATION!

LARGE SELECTION OF NETWORKING PRODUCTS: 3COM, INTEL & MORE ARE IN STOCK

W/10+ WORKSTATIONS
• WINDOWS NT 4.0 SERVER (25 USER LICENSED) • INTEL ETHEREXPRESS 100 BASE T ETHERNET CARD
• TOUCH 15" SVGA LOW RADIATION DIGITAL MONITORS • 3COM 3C250B-TX 12 PORT 100BASE T STACKABLE HUB
• APC 325W UN-INTERRUPTABLE POWER SUPPLY • 10 PENTIUM® MMX 166MHZ WORKSTATION
• 100 BASE T UTP CABLING

W/5+ WORKSTATIONS
• WINDOWS NT 4.0 SERVER (5 USER LICENSED) • INTEL ETHEREXPRESS 100 BASE T ETHERNET CARD
• TOUCH 15" SVGA LOW RADIATION DIGITAL MONITORS • 3COM 8 PORT 10 BASE T HUB.,
• APC 300W UN-INTERRUPTABLE POWER SUPPLY • 5 PENTIUM® MMX 166MHZ WORKSTATION
• 100 BASE T UTP CABLING

(WORKSTATION= MULTIMEDIA DELUXE SYSTEM)
With / TOUCH 15" SVGA LOW RADIATION DIGITAL MONITORS
With /INTEL ETHEREXPRESS 100 BASE T ETHERNET CARD, WINDOWS 95 —SEE BELOW FOR MORE DETAILS)
(*ON-SITE WINDOWS NT WORKGROUP NETWORK RESOURCES AND PRINTER SETUP)

MULTIMEDIA DELUXE SYSTEM W/MMX TECHNOLOGY INTERNET READY

- TX PRO MMX TECHNOLOGY SYSTEM BOARD
- 512KB PIPELINE BURST CACHE
- 32MB EDO RAM EXT TO 256KB
- FUJITSU 1.7GB ULTRA-DMA HARD DRIVE
- 1.44MB FLOPPY DRIVE • 16X CD ROM DRIVE
- 33.6 FAX/MODEM/VOICE
- YAMAHA 3D STEREO SOUND CARD
- DIAMOND STEALTH 64 SVGA W/2MB RAM
- ENHANCED 104 KEYBOARD W/WIN95 KEY
- 100W STEREO SPEAKERS
- PSII/ SERIAL MOUSE
- HIGH SPEED I/O PORTS
- DELUXE MINI TOWER CASE
- MONITOR SOLD SEPARATELY

INTEL PENTIUM® MMX 166/200/233MHZ..... $695/798/898
AMD K6 MMX 166/200/233MHZ $699/768/978

INTEL VENUS Pentium® Pro ATX System

PENTIUM® PRO 180MHz/200MHz..... $1178/$1498

ASUS SUPER MULTIMEDIA SYSTEM W/MMX TECHNOLOGY w/512K CACHE

INTEL PENTIUM® MMX 166/200/233 ..... $1028/1139/1239
AMD K6 MMX 200MHz/233MHz..... $1078/1498

- 512KB PIPELINE BURST CACHE
- 32MB EDO RAM EXT TO 256KB
- FUJITSU 3.5GB ULTRA-DMA HARD DRIVE
- 1.44MB FLOPPY DRIVE • TOSHIBA 24X CD-ROM DRIVE
- AZTECH 56K FAX/MODEM W/VOICE MAIL
- YAMAHA 3D STEREO SOUND CARD
- ATI 3D PRO TURBO PC2TV 4MB SVGA CARD
- ENHANCED 104 KEYBOARD W/WIN95 KEY
- 100W STEREO SPEAKERS
- PSII/ SERIAL MOUSE • HIGH SPEED I/O PORTS
- DELUXE MID TOWER CASE
- MONITOR SOLD SEPARATELY

PENTIUM® II SUPER PERFORMANCE

PROFESSIONAL MULTIMEDIA SYSTEM INTERNET READY

- INTEL PENTIUM® II CPU.
- INTEL PORTLAND PD440 FX SYSTEM BOARD
- 64MB EDO RAM • 512KB PIPELINE BURST CACHE
- QUANTUM 6.5GB FIREBALL HARD DRIVE
- TOSHIBA 24X CD-ROM.
- 1.44MB FLOPPY DRIVE
- US ROBOTICS 56K FAX/MODEM
- ATI 3D PRO TURBO PC2TV 4MB SVGA CAR
- BUILT-IN CRYSTAL+YAMAHA 3D STEREO SYSTEM
- 260W 3D STEREO SPEAKERS W/SURROUND SOUND
- ERGONOMIC ENHANCED KEYBOARD, PSII MOUSE
- MID DELUXE ATX CASE W/300W POWER SUPPLY
- MONITOR SOLD SEPARATELY

PENTIUM® II 233MHZ..... $1798
PENTIUM® II 266MHZ..... $1989
PENTIUM® II 300MHZ..... $2248

DUAL PENTIUM® PRO PROCESSING

SUPER FILE SERVER SYSTEM

- TWO INTEL PENTIUM® PRO 200MHZ CPU
- INTEL PROVIDENCE DUAL PENTIUM® SYSTEM BOARD
- 64MB SDRAM RAM, 256KB PIPELINE BURST CACHE
- 4.3GB ULTRA-SCSI HARD DRIVE
- ADAPTEC 2940UW SCSI-3 CONTROLLER
- 12X SCSI CD-ROM • 1.44MB FLOPPY DRIVE
- SEAGATE (SEA-CTT8000R-S) 8GB SCSI TAPE DRIVE
- DIAMOND SUPRA 56K FAX/MODEM
- DIAMOND STEALTH 3D W/4 MB SVGA CARD
- BUILT-IN CRYSTAL 3D STEREO AUDIO SYSTEM
- 240W 3D STEREO SPEAKERS
- ERGONOMIC ENHANCED KEYBOARD • PS II MOUSE
- MID DELUXE ATX CASE 250W POWER SUPPLY
- MONITOR SOLD SEPARATELY

$3398

• MS DOS $45 • WINDOWS 31 $65 • WINDOWS 95 $98 • WIN NT 4.0 • WORKSTATION $139

UPGRADE ANY OLD PC TO THE PENTIUM® SYSTEM

PENTIUM® 150MHZ **$279**
PENTIUM® MMX 166MHZ.... **$339**
PENTIUM® MMX 200MHZ... **$448**
AMD K6 MMX 166MHZ **$319**
AMD K6 MMX 200MHZ **$445**

- TX PRO MMX SYSTEM BOARD
- 512KB PIPELINE BURST CACHE
- 16MB EDO RAM EXT TO 256KB
- 4 PCI/4 ISA BUS SLOTS
- 2 E-IDE /FLOPPY CONTROLLER
- 2 FAST SERIAL / PRINTER PORTS
- PCI 3D SVGA CARD W/2MB RAM
- MINI TOWER CASE W/250W P/S

THE BEST PRODUCTS

CD-ROM & SOUND CARD
- TOSHIBA 24X CD-ROM $85
- ACER 16X CD-ROM $69
- SOUND BLASTER AWE64 ..... $89
- YAMAHA SOUND CARD ..... $19 (3D STEREO PNP)

CPU & RAM
INTEL PENTIUM® MMX CPUs:
166/200/233MHZ $139/239/339
AMD K6 MMX CPUs:
K6166/200/233MHZ $135/189/329
RAM 72PIN EDO SIMM:
8MB/ 16MB /32MB $24/45/89
SDRAM 168PIN 32/64MB..... $118/228

FAX/MODEM
US ROBOTICS 56K..... $145
DIAMOND SUPRA 33.6 /56K..... $59/98
AZTECH 56K FAX/MODEM/VOICE..... $89
THE BEST PRODUCT

HARD DRIVES
FUJITSU (ULTRA-DMA FAST E-IDE)
1.7 / 3.5 /5.4GB $145/209/298
QUANTUM 4.3GB (FIRE BALL) $279
WD 4.3 /6.5GB (ULTRA DMA)..... $279/329
IOMEGA 100MB ZIP DRIVE $109

SYSTEM BOARDS
PENTIUM® SYSTEM BOARD..... $75
(TX PRO MMX W/ 512KB CACHE)
INTEL VENUS PENTIUM® PRO $146
INTEL PENTIUM® II PORTLAND $238
INTEL PROVIDENCE..... $568
(DUAL PENTIUM® PRO)
ASUS VX97 PENTIUM® MMX $169
ASUS KN97X PENTIUM® II..... $298

KEYBOARD
ERGONOMIC KEYBOARD $29

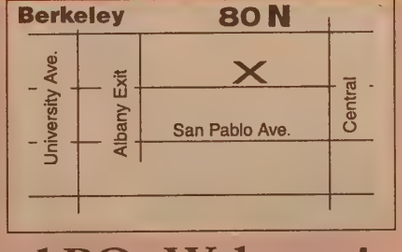
MONITORS
14" SVGA MONITOR $139
(LOW RADIATION N/I 1024X768)
15" TOUCH SVGA MONITOR $219
(LOW RADIATION DIGITAL N/I 1280X1024)
PRINCETON 17" SVGA..... $469
PRINCETON 19" .26 SVGA..... $898
SONY 200SF $679
HITACHI DJ700 17".22 1600X1200.... $678
HITACHI CM751 19".22 1600X1200 .. $1098
NEC XV17+ 17" $688

SVGA CARDS
DIAMOND STEALTH 2500 2MB $35
DIAMOND 2000 3D 2M /4M $55/85
FIRE GL 1000 4MB/8MB $158/179
ATI 3D PRO TURBO PC2 T /4MB $139
ATI ALL-IN-WONDER 4MB $228

COMPUTER SOURCE

THE SUPER COMPUTER STORE

TEL: 510-526-7733 • 800-818-9899 • FAX: 510-526-7723
518 San Pablo Ave., Albany, CA 94706 • Gov't., Corp., School POs Welcome!



CDMOVIES

- 1888 DVDMPEG Titles from **$5** for PC/Mac & VCD/DVD Players
- Adult, English, Chinese, Philipino, Vietnamese Karaoke from **$8.88**
- Toshiba, Realmagic, Creative Labs, Diamond DVD-ROM Kits **$368**
- Panasonic DVD-A300 **$628**, Sony DVD **$888**, RCA DVD5200 **$468**
- ISA Hardware MPEG1 Card **$88** • PCI & ISA TV Tuners from **$118**
- T9685+TVonPC+Remote+Capture+Video Conferencing Ready **$188**
- PConTV from **$108** • Karaoke VCD & CD+G Player Read CD-R **$288**

Call or Visit 1.888.cdmovies.com or read our MicroTimes full-page ad for details

17860 NEWHOPE ST. #A-189, FOUNTAIN VALLEY, CA 92708 • 714.378.3167/3171 FAX

Danika Alexis Corey

Date of Birth: 5/30/92
Date Missing: 8/2/96
Missing From: Toronto, CN
Missing Type: Family Abduction by Mother
Eyes: Brown
Hair: Brown

1-800-VANISHED for sightings

VANISHED CHILDREN'S ALLIANCE
(408) 296-1113 Fax: (408) 296-1117

Transfer your 35mm color or black & white negatives or slides onto a Photo CD

KODAK FLASHPIX!

Why you'll like it...

- **FlashPix format is not power hungry**
- **Printing is predictable**
- **Using pictures takes less RAM and disk space**
- **Multiple images display easily**

PHOTO CD OFFER
$10 Off
Your First Photo CD Transfer

- **Minimum order is $21**
- **First-time customers only**
- **Must present this coupon**
- **Not to be combined with any other offers**
- **Holiday promotion expires January 31, 1998**

WE PROVIDE SPEEDY SERVICE
- Rush Service Available
- 2 Day Fast Turnaround (Working Days)
- Ship us your order & we'll ship it back for free

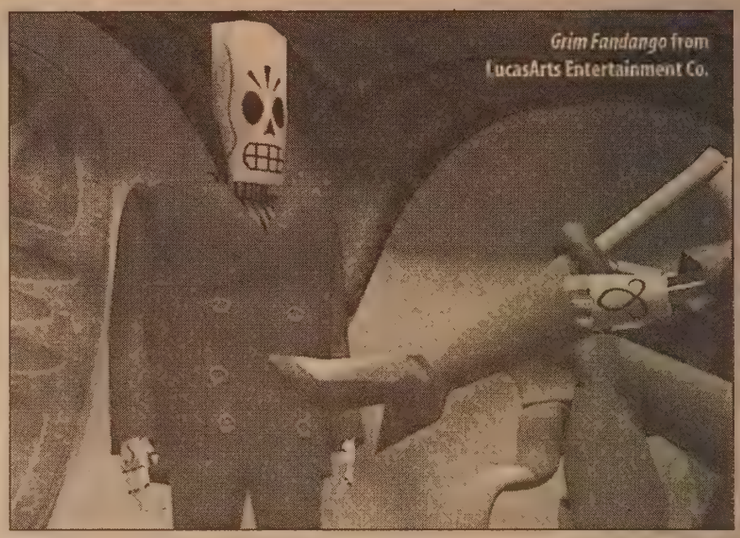
Photo CD service includes limited color correction & image rotation

Now Get Brilliant Kodak Dye Sub Prints From Your Computer File
We just added a Kodak 8650 Dye Sublimation Printer to crate fantastic photo-realistic quality prints or transparencies from your MAC or PC files. No banding, jaggies, dots or steps! Just beautiful continuous-tone glossy prints up to 8x10 on 8-1/2 x 12 paper

ITS CD

ITS•CD IMAGE TRANSFER SYSTEM
Tel: 415-682-3981 • Fax: 415-682-3980
514 Frederick Street • San Francisco, CA 94117
(Near Stanyan)
Hours: 10AM to 7PM Daily

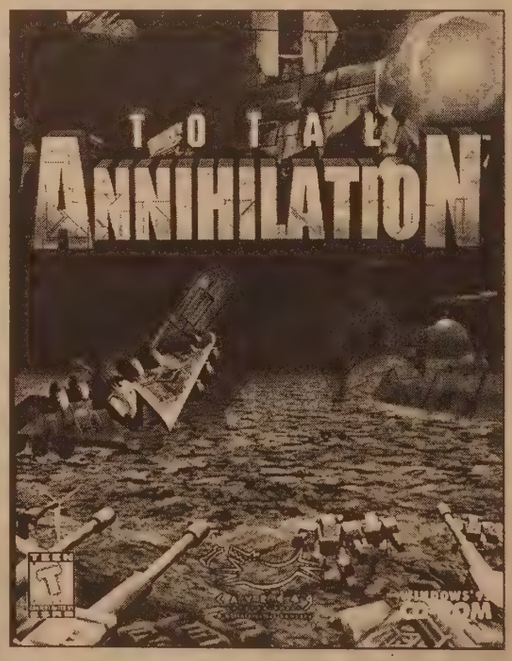
Product Announcements *continued...*



him from getting the right clients. Manny soon finds this out and steals a prime prospect, setting in motion a chain of events that not only threaten his job, but the eternal destiny of his soul. LucasArts Entertainment Co., P.O. Box 10307, San Rafael, CA 91912. (415)472-3400. URL: *http://www.lucasarts.com* .

Total Annihilation

Total Annihilation, a new CD-ROM game from Cavedog Entertainment, creates a new world of futuristic, real-time strategy combat over land, sea and air and features more than fifty missions, realistic 3-D terrains, advanced multiplayer capabilities, and an original music score featuring a 95-piece symphony orchestra plus a concert choir. Players can download new fully functional units every week from the Cavedog Web site, providing expansion and enhancement of game play and strategy. Advanced multiplayer options include sharing energy and metal resources, and units include Spider Tanks, Bertha Cannons, submarines, "Kbots" and nuclear weapons that can be stockpiled. Players can also customize many game functions. ($49.95; Windows 95) Cavedog Entertainment. (425)486-9258. URL: *http://www.cavedog.com* .



continued on page 150

GOLDEN MICRO COMPUTERS

BEST SERVICE IN TOWN

OPEN 7 DAYS

5-Year Labor & 1-Year Parts Warranty on All Computers

Complete Business Services

- Networking
- Installation
- On-Site Service

Complete Repairs & Upgrades

486 Systems $85 & up

15" NEC XV Monitor 1280x1024, .28dp $339

17" NEC M700 Monitor 1280x1024, .25 w/ Speakers $699

P6 MULTIMEDIA SYSTEMS

- Intel Pentium® Pro Processor w/512K Cache
- Intel Venus Motherboard
- PCI & ISA Bus Slots
- 64MB EDO RAM
- 3.8GB Hard Drive
- 1.44 Floppy Drive
- 15" NI SVGA Monitor .28
- Diamond Stealth 64 PCI SVGA Card w/2MB VRAM
- 12X CD-ROM
- Sound Blaster 16
- 60-Watt Stereo Speakers
- 2 S, 1P Ports
- Medium Tower Case w/230W PS
- Enhanced 104 Keyboard

Pro-180.....$1669
Pro-200.....$1759
Pentium®II 233.....$1879
Pentium®II 266.....$1979
Pentium®II 300.....$2179

P5 MULTIMEDIA SYSTEMS

- P-5 Motherboard w/512K Cache
- Pentium® Processor Based Systems
- PCI and ISA Bus
- 32MB EDO RAM
- 2.6GB Hard Drive
- 1.44 Floppy Drive
- 14" NI SVGA Monitor .28
- Diamond Edge 3D PCI Video w/2MB w/Sound
- 2S, 1P Ports
- Mini-Tower or Desktop Case w/230W PS
- Enhanced 104 Keyboard
- 12X CD-ROM
- 60-Watt Stereo Speakers

P5-90.....$899
P5-120.....$939
P5-133.....$969
P5-150.....$979
P5-166/MMX.....$989/989
P5-200/MMX...$1069/1079
P5-233/MMX.....$1179

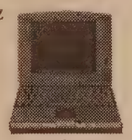
AMD 6x86 MULTIMEDIA SYSTEM

- P5 M/B w/512K Cache
- AMD CPU
- PCI & ISA Bus
- 32MB EDO RAM
- 2.6GB Hard Drive
- 1.44 Floppy Drive
- 14" NI SVGA Monitor .28
- Diamond Edge 3D PCI Video w/2MB w/Sound
- 2S, 1P Ports
- Mini-Tower or Desktop Case w/230W PS
- Enhanced 104 Keyboard
- 12X CD-ROM
- 60-Watt Stereo Speakers

K6-166 MMX.....$979
K6-200 MMX.....$1049
K6-233 MMX.....$1409

Notebooks

- Pentium® 166MMX-233MHz
- 12.1" Dual Scan Display
- 2MB VGA Video RAM
- 1.4GB Hard Drive
- 16X CD-ROM
- 32MB EDO RAM
- 1.44 Floppy Drive
- 16-Bit Sound Built In
- AC Adaptor • Battery • Case



$1699

Active Display Add $390
13.3" Display Add $590
14.4" Display Add $1350

Buy or Lease WIRELESS
28.8 Modem
$350

- Works with PC or Mac
- Unlimited Internet Access
- Remote Access to Corp Sites

Notebook Accessories

RAM
8MB $65
16MB $95
Docking Station $299

Hard Drive & CD
1.4GB $229
2.1GB/3GB $339/499
8X CD-ROM $245

Fax Modem
14.4K $79
33.6K/56K $99/189
EtherNet Card $129
Earphone w/Microphone $25

IBM/TOSHIBA/COMPAQ RAM/HARD DISK AVAILABLE!

CD-ROMS
12X CD-ROM SCSI $129
6X Rewritable CD-ROM SCSI 499
12X CD-ROM IDE 69
16X CD-ROM IDE 89
24X CD-ROM IDE 98

MULTIMEDIA
Sound Blaster 16 PnP $58
Sound Blaster AWE 64 PnP 95
16-Bit Sound Card 25

SPEAKERS
60/80/240 Watt $15/25/35

CASE & POWER SUPPLY
Mini Tower Case w/230 Watts $30
Medium Tower Case w/230 Watts 50
Full Tower w/250 Watts 65
Pentium® Pro Medium ATX w/230 Watts 85
Pentium® Pro Full ATX w/250 Watts 99
200/230/250/300 Watts Power Supply $20/23/28/59
HD Pull Out Removable Box 22
250/300 Watt ATX Power Supply UL 45/59
Ext HD/CD-ROM Case IDE/SCSI 95
450 VA UPS (Uninterupted Power) 99

MODEMS
14.4K Int/Ext $30/65
28.8K/33.6K 65
28.8K/33.6K w/ Voice 70
28.8K/33.6K US Robotics 89
28.8K/33.6K w/Voice Ext USR 139
56K USR Int 139

TAPE DRIVES
250MB Colorado/Conner $59
800MB Colorado 129

MOTHERBOARD & CPU
386DX33/40 .....$40
486SX/DX25/33 50
486DX4-100 M/B ISA/POI/VLB & CPU 85
P5-75 512K 139
P5-90/120 512K 149/189
P5-133/150 512K 219/229
P5-166/166MMX 512K 239/239
P5-200 512K 319
P5-200MMX 512K 349
P5-233MMX 512K 399
P6-PRO-180 VENUS 256K 589
P6-PRO-200 VENUS 256K 629
Pentium® II-233 Intel 799
Pentium® II-266 Intel 899
Pentium® II-300 Intel 1099
AMD-K6-166 MMX 229
AMD-K6-200 MMX 299
AMD-K6-233 MMX 499

HARD DRIVES
1.2/2.1GB IDE $142/179
2.5/3.2GB IDE 189/239
4.0/6.0GB IDE 267/339
8.6GB IDE 399
2.0/4.0GB SCSI 259/479
6.4/9.0 GB SCSI 499/769
100MB Zip DR (EPP/SCSI) 149/149
100MB Zip DR (IDE) 129
100MB Cartridge 19

FLOPPY DRIVES
Teac 1.44 .....$25
1.44 Disks 0.3

MONITORS
14" Non-Int $169
14" Non-Int (SOCOS) 189
14" Non-Int (Analog) 199
15" Non-Int (SOCOS) 269
15" NEC XV Plus 339
17" Non-Int SVGA 439
17" NEC M700 .25 w./Spks 699
21" Non-Int SVGA 1299
NEC/Sony/Viewsonic .....CALL

KEYBOARDS
104 Enhanced/PS2 .....$15
104 Keytronic/PS2 22
101 Maxswitch 25
104 K.B. w/Trackball 35

VGA CARDS
MGP. $15
1MB VGA ISA/VLB/PCI w/Win Accl. 35
Diamond VRAM 2/4MB 135/225
Diamond 3D 2/4MB WRAM 79/119
Matrox Millennium 2/4MB 165/225
Matrox Millennium 8MB 299
1MB VGA RAM 15

MISC.
IDE/IO ISA $10
IDE/IO VLB 15
B/W Scanner 49
Color Scanner (Hand Held) 99
Flat-Bed Scanner (EPP/SCSI) 169
9-Pin Printer Alton 2000 69
HP670C 229

NETWORKING PRODUCTS
Ethernet 16-Bit Combo Card $28
3Com 3C509 Combo 99
Ethernet 10BT Hub 8/16 Ports 99/199
3COM 8/12/24 Ports 194/339/1099
Novell Netware 4.1 10/25 Users 699/899
10' Cable (TP) 5

NETWORKING SERVICES
- On-Site Service Available
- Windows 95, Windows NT, Windows for Workgroups, & Novell Specialist
- Network Design & Installation
- System Troubleshooting & Maintenance
- Special Discounts for Systems Purchased

PC Repairs & Upgrades Welcome

46560 Fremont Blvd, Suite 408 • Fremont, CA 94538

(510) 623-0866 (800) 588-0866

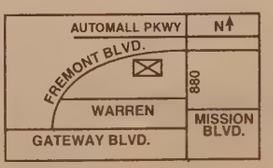
FAX (510) 623-0321

www.GOLDENMICRO.com • email: sales@goldenmicro.com

Hours M-F 9:00-5:30 Sat/Sun 10-3

Ad reflects cash discount. • Prices subject to change without notice. • Not responsible for typographical errors. • Pentium® is a registered trademark of Intel Corp.

GOLDEN MICRO COMPUTERS Since 1991



InterPro Delivers Unbeatable PC Upgrades Solution !!!

Authorized Distributor — *The Best Price, Service, Quality & Value !!!*

*P6LDXS-233~300+,Dual P-II,**440LX**,4xPCI/3xISA/AGP,**2940UW**/2xUIDE,4xDim,ATX..... $ 459*
P6LDX-233~300+,Dual P2,440LX,4xPCI/3xISA/AGP,2xUltra/IDE,4xDim,2xUSB,ATX..... $ 339
*P6LXIS-233~300+,P-II,**440LX**,4xPCI/3xISA/1xAGP,**2940UW**/2xUIDE,4xDim,USB,ATX..... $ 349*
P6LXI-233~300+,P2,440LX,4xPCI/3xISA/AGP,2xUltra/IDE,4xDim,2xUSB,ATX,AMI Bios.. $ 219
*P6KDI/S-233~300+,Dual P-II,5xPCI/3xISA/Raid,**2940UW**/2xUIDE/IO,4xDim,USB,ATX..... $ 449*
*P6NDP-150~200Mhz,Dual/Pro,Natoma,4xPCI/4xEISA/Raid,**2940UW** SCSI/IO,2S/1P,AMI. $ 598*
*P6NPI/S-150~200Mhz,P-Pro,Natoma,4xPCI/Raid/4xISA,**2940UW** SCSI,2xIDE/IO,ATX..... $ 259*
P6NPI-150~200Mhz, P-Pro,Natoma,4xPCI/4xISA,2xIDE/IO,2S/1P,4x72-pin,USB,ATX..... $ 175
*P54TXI/S-200MMX/K5/K6,TritonTX,512K,4xPCI/3xISA,**2940UW**/UIDE/IO,2S/1P,ATX..... $ 249*
P54TXA-75~200MMX/K6,Triton TX,512K,4xPCI/4xISA,2xIDE/IO,2S/1P,4x72,AMI,ATX..... $ 119
Adaptec RAID ARO-1130,PCI-to-SCSI MultiChannel Array Adapters (Raid 0,1,5),w/Kit.... $ 239

SUPERMICRO (Made In U.S.A)

*P6DLS-233~300+,Dual P-II,**440LX**,4xPCI3xISA,2940UW/IDE/IO,2S/1P,USB,Full ATX..... $ 439*
P6DLE-233~300+,Dual P2,440LX,4xPCI/3xISA/AGP,2xUltra/IDE/IO,2S/1P,2xUSB,ATX.... $ 359
P6DLF-233~300+,Dual P2,440LX,5xPCI/3xISA/AGP,2xUIDE/IO,8xSim/4xDim,Full AT..... $ 379
P6SLS-233~300+,P2,440LX,4xPCI/3xISA/AGP,2940UW/2xUIDE/IO,2S/1P,4xDim,ATX..... $ 359
P6SLA-233~300+,P2,440LX,4xPCI/3xISA/AGP,2xUlta/IDE/IO,2S/1P,3xDim,2xUSB,ATX... $ 229
P6DKF-233~300+Mhz,Dual P-II,440FX,5xPCI/4xISA,2xIDE/IO,2S/1P,AMI,USB,Full AT.... $ 309
P6DKS-233~300+Mhz,Dual P-II,440FX,4xPCI/4xISA,2940UW/2xIDE/IO,2S/1P,Full ATX. $ 339
*P6SKS-233~300+Mhz,P-II,440FX,4xPCI/4xISA,**2940UW**/2xIDE/IO,2S/1P,USB,Full ATX.... $ 298*
P6SNEII-233~300+Mhz,P-II,440FX,5xPCI/4xISA,2xIDE/IO,2S/1P,6x72-pin,AMI,Baby AT... $ 209
P6DNH2-150~200,Dual/Pro,Natoma,i960,8xPCI/3xISA,2xIDE/IO,2S/1P,8x72-pin,Full AT $ 659
P6DNF-150~200Mhz,Dual/Pro,Natoma,4xPCI/4xISA,2xIDE/IO,2S/1P,8x72-pin,Full AT..... $ 289
P6SNS-150~200Mhz,Pro,Natoma,4xPCI/3xISA,2940UW/SCSI,2xIDE/IO,2S/1P,baby AT..... $ 279
P6SNE-150~200Mhz,Pent/Pro,Natoma,5xPCI/4xISA,2xIDE/IO,2S/1P,6x72-pin,AMI,AT..... $ 225
P5MMS98-75~200MMX/K5/K6,430TX,4xPCI/4xISA,2xIDE/IO,2S/1P,4x72-in/2xDimm,AT.. $ 149
P55STE-75~200MMX,TritonII,512K,4xPCI/4xISA,IDE/IO,2S/1P,6x72-pin,USB,baby AT..... $ 135

S-1692DLUA-233~300+,Dual P2,440LX,4xPCI/2xISA/AGP,Dual 2940WU/2xIDE,ATX..... $ 509
S-1692DL-233~300+,Dual P-II,440LX,5xPCI/2xISA/1xAGP,2xUIDE/IO,4xDim,USB.ATX... $ 319
S-1692SL-233~300+,Single P2,440LX,5xPCI/2xISA/AGP,2xUltra/IDE/IO,4xDim,ATX..... $ 225
S-1682D-233~300Mhz,Dual P-II,440FX,5xPCI/3xISA,2xIDE/IO,2S/1P,8x72pin,ATX,AMI... $ 275
S-1686S-233~300+,P-II,440FX,5xPCI/4xISA,2xIDE/IO,2S/1P,8x72,2xUSB,ATX,Award..... $ 199
S-1668D-150~200,Dual Pro,Natoma,5xPCI/3xISA,2xIDE/IO,2S/1P,8xSim,2xUSB,ATX..... $ 259
S-1564D-75~200MMX,Dual/P,TritonII,512K,4xPCI/5xISA,2xIDE/IO,2S/1P,8x72,AT..... $ 189
S-1564S-75~200MMX,Single/P,TritonII,512K,4xPCI/5xISA,2xIDE/IO,2S/1P,8x72,AT..... $ 149
S-1571S-75~200MMX/K5/K6,430TX,512K,5xPCI/4xISA.IDE/IO,2xDim.Simm,ATX.Award.. $ 125

MICRONICS

M1DLS-233~300+,Dual PII,440LX,3xPCI/2xISA/AGP,2xIDE,2xUSB,4xDim,ATX..... $ 465
M1SLT-233~300+,PII,440LX,4xPCI/3xISA/AGP,2xIDE/IO,2S/1P,4xDim,USB,ATX.... $ 249
M1DFD-233~300+,Dual PII,440FX,4xPCI/2xISA,2xIDE/IO,2S/1P,4xDimm,ATX..... $ 329
M1SFW-233~300+,P-II,440FX,4xPCI/4xISA,2xIDE/IO,2S/1P,4x72/2x168,ATX..... $ 209
P6DPi-150~200,Dual Pro,440FX,7xPCI/2xISA,2940UW/IDE,Video,i960,Full AT..... $ 698
*W6-LI-Dual Pro,440FX,4xPCI/2xISA,2xIDE/IO,**2940UW/SB16**,4xDim,ATX,Phoenix.$ 419*
M8SFIN-150~200Mhz,Natoma,4xPCI/4xISA,2xIDE/IO,2S/1P,4x168-pin,ATX..... $ 219
M7STA-75~233/K6,430TX,512k,5xPCI/4xISA,IDE/IO,2S/1P,4x72/2xDim,AT or ATX.$ 175
M7STTB-75~233MMX/K6,430TX,512k,4xPCI/4xISA,2xIDE/IO,2S/1P,2x168,ATX..... $ 149
M7S-Hi-75~233MMX,430HX,512K,4xPCI/4xISA,2xIDE/IO,2S/1P,4x72,ATX..... $ 199

intel (Made By Intel)

Dakota-Dual P2,3xPCI/1x2xISA/AGP,2xUltra/IDE,2xUSB,4xDim,VGA,PnP,ATX.... $ 598
Atlanta-P-II,440LX,3xPCI/2xISA/1xAGP,2xIDE/IO,2xUSB,3xDimm,Phoenix,ATX..... $ 219
Portland-P-II,440FX,3xPCI/3xISA,2xIDE/IO,Yamaha Audio,USB,4x72-pin,ATX..... $ 209
Venus-Pentium/Pro-150~200Mhz,Natoma,4xPCI/3xISA,2xIDE/IO,2S/1P,4x72,ATX.. $ 115
Anchorage-75~200MMX/K6,430TX,512K,Yamaha Sound,3D Video,IDE/IO,ATX..... $ 198
Tucson-75~200MMX,430HX,512K,4xPCI/3xISA,IDE/IO,2S/1P,SB/Pro,2M/VGA..... $ 195
LoneTree-75~233Mhz,430TX,512k,3xPCI/3xISA,2xIDE/IO,2S/1P,Sound,USB,ATX.... $ 179

M Technology, Inc.

R628-P-II-233~300+Mhz,P-II,440LX,3xPCI/4xISA/AGP,2xUIDE/IO,USB,4xDim,AT. $ 195
R534-75~200+/MMX,SIS,512k,3xPCI/5xISA,2xIDE/IO,USB,2xSdram,Award,AT..... $ 117
R539-75~200MMX/K6,430TX,512k,4xPCI/5xISA,2xUIDE/IO,4xSim/2xDim,USB,AT $ 115

BIOSTAR

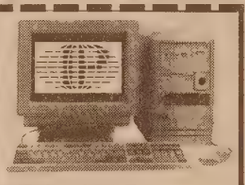
P2L97-DS-233~300+,Dual P-II,440LX,4xPCI/2xISA/1xAGP,2940UW/2xIDE,ATX.... $ 419
P2L97S-233~300+,P2,440LX,4xPCI/2xISA/AGP,2940UW/2xUIDE,3xDim,USB,ATX $ 275
P2L97-233~300+,P-II,440LX,4xPCI/2xISA/1xAGP,2xIDE,3xDimm,USB,ATX..... $ 198
P5TX97-E-200MMX/K5/K6,TritonTX,512k,4xPCI/3xISA,IDE/IO,2S/1P,4x72/2xDim. $ 165
P5TXP4-75~233MMX/K6,430TX,512k,4xPCI/3xISA,2xUltra/IDE,4xSim/2xDim,AT.... $ 149
P5VX97-75~200MMX Mhz,TritonVX.4xPCI/4xISA,512k,2xIDE/IO,2S/1P,4x72-pin.... $ 105

First International Computer

KL-6011-233~300+,P-II,440LX,5xPCI/2xISA,2xUIDE/IO,3xDim,2xUSB,ATX..... $ 189
*PA-2007-75~200MMX/K6,VIA590,**IM cache**,4xPCI/3xISA,2xUIDE/IO,4xSim/2xDim $ 109*
PT-2011-75~200MMX/K6,430TX,512k,4xPCI/4xISA,2xUIDE/IO,Sim/Dim,ATX,AMI. $ 105

BIOSTAR

MB-8600TFX-233~300+,Natoma,4xPCI/3xISA,2xIDE/IO,2S/1P,4x72/1xDimm,ATX.. $ 189
MB-8500TTD-75~200MMX/K6,TritonTX,512K,4xPCI/3xISA,IDE/IO,2S/1P,2xDimm $ 89
MB-8500TVG-75~200MMX,TritonVX,512K,3xPCI/4xISA,IDE/IO,2S/1P,4x72/2xDim $ 79



The best place in Town to upgrade your PC

STOP Search no more !!

Call our Technical Sales to assist you with Customizing computer systems according to your special requirements
** Build yourself or*
** We can do it for you*

586 PCI WIN 95' STATION

* Pentium100~233MMX CPU w/fan
* Intel TritonTX, PCI/ISA, w/512K Syn.
* 16MB/60ns/EDO (up to 128MB)
* PCI EIDE w/2S/1P/1G(16550)
* 2.1GB Enhanced IDE Hard Drive
* 1.44MB Floppy Drive
* 33.6 Fax/Data/Voice Modem.
* Sound card w/120W Speaker
* 15" Flat Screen NI 1280x1024 .28
* 24X Speed IDE CD-ROM
* Mini-Tower Case w/250 W P.S
* Diamond Stealth 3Dw/4MB EDO RAM
* Keyboard & MS-Mouse
* Windows 95' Installed.

AMDK6-166/200/233....$1089/$1139/$1329
CyrixM2-166+/200+ Mhz....$1049/$1079
Pentium-133/150Mhz....$1039/$1059
Pentium-166 MMX Mhz....$1079/$1099
Pentium-200 MMX Mhz....$1169/$1189
Pnetium-233 MMX Mhz....$1279

POWER P5 SERVER

**Dual Pentium 75-200Mhz Ready*
**PCI/EISA Slots, w/512K Syn. Cache*
** Intel Triton II Chipset.*
**64MB/60ns/EDO (up to 512K)*
**Adaptec 2940UW, Ultra/Wide SCSI*
**2 GB Ultra Wide SCSI-3 Hard Drive*
**12x Speed SCSI CD-Rom*
**3Com PCI 10/100TX network card.*
**14" SVGA 1024x768 .28dp*
**MS-Mouse, 104 Keyboard*
**64-Bit PCI SVGA, 1.44MB Floppy*
**Mid-Tower Case w/250 W P.S*

Designed for: Novell, UNIX, Win NT

DUAL PCI/EISA: (AIR P5TDP)
DUAL P-133/150.....$1629/$1649
DUAL P-166/200.....$1719/$1889
DUAL PCI/ISA: (Tyan S-1564D)
DUAL P-133/150.....$1459/$1479
DUAL P-166/200.....$1549/$1719

Dual NT SERVER

**Dual Pentium Pro-150~200Mhz Ready*
**4xPCI/4xEISA, w/IO,2S/1P,USB*
** Intel Natoma (440FX) Chipset.*
**64MB/60ns/EDO (up to 1GB) Memory*
**Adaptec 2940UW SCSI, w/Raid Port*
**4GB Ultra Wide SCSI-3 Hard Drive*
**64-Bit PCI SVGA Card*
**15" 1280x1024, .28NI Monitor*
**Toshiba 15x Speed SCSI CD-ROM*
**MS-Mouse, 101 Keyboard*
**Teac, 1.44MB Floppy*
**Full-Tower Case w/250 W P.S*

Designed for: Novell, UNIX, Win NT

DUAL PCI/EISA: (AIR P6NDP)
DUAL P6-166/180.....$Call/$2099
DUAL P6-200 w/256k/512k.....$2649/$Call
DUAL PCI/ISA: (Super P6DNF)
DUAL P6-166/180.....$Call $1989
DUAL P6-200 w/256k/512k.....$2529/$Call

Pentium-II Station

* Intel Pentium-II 233~300+ CPU w/fan
* Intel 440LX, 4xPCI/4xISA w/ATX
* 2x Ultra IDE/IO (33MB/Sec), 2S/1P
* 64MB SDRAM Memory (up to 1GB)
* 6.4GB Ultra/33Mb IDE hard disk
* Creative Lab AWE64 PnP
* Yamaha Stereo Speaker, w/Retail
* Diamond Supra 56K Fax/Voice Modem
* 17", 1280x1024, .28NI, Flat
* 24x Speed IDE CD-ROM
* Teac 31/2", 1.44MB Floppy Drive
* Mid-Tower, w/250W (ATX)
* MS-Mouse & 104 keys Keyboard
* Diamond Stealth 3D Virge, w/4MB VRAM
* MS-Windows 95" Installed (licensed)

Pentium-II-233Mhz, w/512k cache...$2189
Pentium-II-266Mhz, w/512k cache...$2299
Pentium-II-300Mhz, w/512k cache...$2529
Upgrade to SCSI.....$ Call

Dream Machine

* Dual Pentium-II w/440LX chip, CPU Ready
* 64MB SDRAM Memory (up to 1GB)
* 2x Ultra IDE/IO (33MB/Sec), 2S/1P
* Adaptec 2940 Ultra/Wide SCSI (40MB/Sec)
* 4GB Ultra/Wide SCSI Hard disk
* Iomega 100MB IDE Zip Drive + Tools
* US Rob Sportster 56K Data/Fax Modem
* Creative Lab AWE64 PnP
* Yamaha Stereo Speaker, w/Retail
* Matrox Millennium II w/8MB WRAM
* **Optiquest, 19" 1600x1280, .26NI**
* 24x Speed IDE CD-ROM
* Teac 31/2", 1.44MB Floppy Drive
* Mid-Tower, w/250W (ATX)
* MS-Mouse & 104 keys Keyboard
* MS-Windows NT 4.0 Installed (licensed)

Dual Pentium-II-233Mhz, w/512k...$3879
Dual Pentium-II-266Mhz, w/512k...$4139
Dual Pentium-II-300Mhz, w/512k...$4579

intel AMD Cyrix

IntelP2-233/266/300.....$419/$539/$749
IntelPro-180/200.....$199/$475
IntelMMX-166/200/233.....$139/$235/$315
intelP-150/166/200.....$109/$145/$225
IntelP-100/120/133.....$89/$98/$113
CyrixM2-166+/200+.....$89/$129
AMDK6P-166/200/233.....$129/$219/$359
AMD5K866-100/133/166.....$69/$87/$99
4/8/16MB/60ns/EDO.....$15/$25/$49
32/64/128MB/60ns/EDO.....$89/$229/$Call
168pin Sdrm-16/32/64MB.....$59/$105/$289
ECC 32/64/128MB.....$159/$279/$Call

Please Call for New Daily Prices

VIDEO CARDS

ATI All-In-Wonder 2/4MB.....$179/$195
ATI 3D Pro T/PC2TV 4/8MB.....$135/$175
ATI Xpert@Work 4/8MB/PCI.....$155/$198
ATI Xpert@Work 4MB/AGP 2X.....$175
ATI Xpert@Play PCI 4/8MB.....$169/$219
ATI Xpert@Play 4M/AGP 2X.....$189
ATI Xpert XL 2/4MB EDO.....$119/$135
ATI 3D Charger 2/4MB EDO.....$65/$79
Diamond Fire GL 1000 Pro 8MB.....$229
Viper 330 4MB PCI/AGP.....$165/$169
Monster 3D 4MB EDO/PCI.....$157
Stealth 3D Virge 2/4MB VM.....$119/$157
Stealth 3D Virge 2/4MB EDO.....$69/$79
Matrox Millennium II 4/8MB.....$209/$289
Matrox Mystique 220 2/4MB.....$119/$135
#9 Revolution 3D 4/8MB/AGP.....$225/$289
#9 Revolution 3D 4/8MB/PCI.....$209/$287

CD-ROM DRIVES

Toshiba DVD Rom Quadrant MPEG2.....$439
Toshiba 3801B, 99ms, 16X, SCSI/Int.....$149
Toshiba 6102, 99ms, 24x, IDE/Int.....$89
Toshiba 5701B, 115ms, 12X, SCSI/Int.....$119
Mitsumi-FX162T, 16x, 115ms, IDE.....$75
Sony CD-928E, 2xW/8xR Rewriteable.....$389
NEC 1610, 16X, 115ms, SCSI, Int.....$139
Plextor-12TSI, 115ms, 12X, SCSI/Tray.....$225
Plextor-12CSI, 115ms, 12X, SCSI/Cady.....$259
Plextor-20TSI, 99ms, 20X, SCSI/Tray.....$245

MultiMedia

Sound Blaster AWE64 PnP/OEM.....$89
US Rob Sportster 56K Int/Ext.....$149/$205
US Rob Sportster 33.6 Int/Ext.....$89/$149
Diamond Supra 33.6/56K w/Voice.....$59/115

Backup/Network/Controller

Adaptec 2940U SCSI PCI w/kit.....$185
Adaptec 2940UW, Ultra/Wide SCSI/kit.....$209
3Com-3C900 PCI Combo.....$79
3Com-3C905TX 10/100 PCI.....$69
intel Etherxpr sPro 10/100, PCI/TP.....$59
HP-C1599A, 4mm Dat, 8GB SCSI Int.....$759
HP-C1536, 4mm Dat 4GB SCSI Int.....$579
HP-C1534, 4mm Dat. 2GB SCSI Int.....$539
Seagate CTT 3200R, 1.6~3.2Gw/oem.....$169
CTT 8000R-A, 4~8GB, IDE, Tape/Softw.....$319
CTT 8000R-S, 4~8GB, SCSI/Travan.....$349
STD 24000, 2~4GB, 4mm, Dat, SCSI.....$579
STD 28000N, 4~8GB, 4mm Dat, SCSI.....$729
Colorado T30003.2GB Travan w/Car.....$187
Colorado TT4000w/Intel/Ext.....$359/$459
Iomega Jazz, 1GB SCSI w/Internal.....$309

DigiView On Sale

1435, 14", 1024x768, .28, N/I.....$159
1510, 15" 1280x1024, .28, N/I.....$215
1707+17", 1280x1024, .28, N/I.....$419

NOKIA

447W 17" 1024x768, .28 w/Speakers.....$609
447Xi 17" 1600x1280, .25NI, w/Sonytube..$719
445Xi 21" 1600x1200, .26, TCO95.....$1519

SONY

CPD-100SX 15"1280x1024, .25, 60Mhz.....$339
GDM 17SE2T, 17"1600x1200, .25NI.....$849
CPD-200SX 17"1280x1024, .25, 60Mhz.....$599
CDP-300SFT 20"1280x1024, .30Mhz...$1419

NEC

M500, 15", 1280x1024, .25 NI, w/Speakers..$359
A700, 17", 1280x1024, .28 NI.....$589
P750, 17", 1600x1200, .25, N/I.....$819
E700, 17", 1600x1280, .25, N/I.....$685
P1100, 21", 1600x1280, .28, N/I.....$1379

HITACHI

CM500, 15", Flat, 1280x1024, .28, 65hz.....$329
CM620U, 17", Flat, 1280x1024, .28, N/I.....$545
CM751, 19", 1600x1200, .26, N/I, 75Mhz.....$1059
CM800U, 21", 1600x1200, .22 N/I.....$1419

ViewSonic

E611, 14", 1024x768, .28, N/I.....$199
E655, 15", 1280x1024, .28 N/I.....$375
EA771, 17", 1280x1024, .28, N/I, w/Spkr.....$519
17GA 17" 1280x1024, 27NI, PnP, w/Spkr...$599
17PS 17" 1600x1280, .25 N/I, PnP, TCO.....$665
GT77017 1280x1024, .25, w/Sonic Tron.....$645
PT77517 1600x1280, .25, w/Sonic TRon...$759
G800/20 1600x1280, .28 N/I.....$1029
G81021 1600x1280, .30 N/I.....$1229

MAG

DX15T 1280x768, .25 N/I, w/Sonytube.....$345
DJ5301S 1280x1024, .28, N/I.....$309
DJ700 17 1280x1024, .26, N/I, 60hz.....$565
DX700T 17 1280x1024, .25, w/Sonytube.....$598
DJ702E 17 1280x1024, .26, 65hz.....$549
DJ800 19 1600x1200, .26.....$895

Seagate Quantum Maxtor Western Digital

IBM-DHEA 36480, 6.4GB, 10ms, U/IDE.....$349
IBM-DCAS 32160W 2GB, U/W/S3, 8.5ms.....$259
IBM-DCAS 34330W 4.3GB, U/W/S3, 8.5ms.....$379
IBM-DCHS-39100W, 9.1GB, U/W/S3 8ms.....$1029
WD 22100A, 2100MB, EIDE, 12ms, 128k.....$175
WD 22500A, 2500MB, EIDE, 12ms, 128k.....$187
WD 33200A, 3.2GB, EIDE, 12ms, 128k.....$205
WD 34004, 3GB, EIDE, 12ms, 128k.....$255
WD 35100A, 5.1GB, 10ms, U/IDE.....$309
WD 36400A, 6.4GB, 10ms, U/IDE.....$329
WD 4360 4.3GB, U/W/S3, 8ms, 512k, 7200r.....$579
Fujitsu-2954QAU, 4GB, U/W/S3, 7200.....$598
Fujitsu-2949QAU, 9.1GB, U/W/S3, 7200.....$998
Micropols-4743WS, 4.5GB, 10ms, U/W/S3.....$379
Micropols-4345WAV, 4.5GB, 8ms, U/W/S3.....$598
Micropols-3391WAV, 9GB, 8ms, U/W/S3, 2M...$895
Quantum-32160A, 2.1GB, 12ms, U/IDE.....$179
Quantum-33240A, 3.2GB, 10ms, U/IDE.....$209
Quantum-34320A, 4.3GB, 10ms, U/IDE.....$265
Quantum-36480A, 6.4GB, 10ms, U/IDE.....$349
Quantum-32160S, 2.1GB, SCSI, 8ms.....$229
Quantum-32150W, 2.1GB, W/SCSI, 8ms.....$359
Quantum-32275SW, 2.2GB, U/S3, 7200.....$309
Quantum-34320S, 4.3GB, 10ms, U/S3.....$349
Quantum-34550SW 4.5GB, UW/S3, 8ms.....$565
Quantum-36480S, 6.4GB, 8ms, SCSI.....$459
Seagate-32122A, 2.1GB IDE, 12ms.....$165
Seagate-33240A, 3.2GB, 12ms, EIDE.....$205
Seagate-52160N, 2.1GB, 8ms U/S.....$219
Seagate-32272W, 2.1GB, UW/S3, 8ms.....$389
Seagate-32155W, 2.1GB, U/S/S3, 9ms.....$375
Seagate-34572N, 4.3GB, U/S3, 8ms, 7200.....$569
Seagate-34572W, 4.3GB, UW/S3, 8ms.....$589
Seagate-19171W 9GB UW/S3 8ms.....$998

FIC Databook

LEO Oasis — *New*

Only $598

No Monitor Require!!!

Features:

Sleek Low-Profile Form Factor
Multimedia Personal Computing Center
Versatile & Reliable Slim-Line Network PC
TV Output / High-Quality Audio Center
Flexible & Powerful Slim-Line Learning Center
Slim-Line Display Flexibility
Slim-Line Point of Sale Solution

Specifications

* PCI/ISA Mother board w/512k cache
* Cyrix Media GX/GX86-133Mhz
* 16MB EDO (4x72-pin Simm socket)
* Integrated PCI VGA controller
* 2S/1P, PS/2, USB, 1x RF TV, MIC
* 1.2GB Enhanced hard disk
* Standard 3.5" 1.44MB mode 3
* Integrated 16-bit PnP Sound Card
* 33.6 Data/Fax Modem w/internal
* 16x Speed IDE CD-Rom
* Slim case w/Power Supply (50W)
* 2-Bottom PS/2 mouse
* 104 keys enhanced keyboard
* MS-Windows 95" CD & Manual (licensed)

EVEREX

StepNote SC

* Intel Pentium 133~166MMX CPU w/fan
* 16MB/EDO/SDRAM (up to 80MB)
* Removable, 1.3~3.0GB/1.44MB Drive
* Active/Passive Matrix color LCD
* Sound card w/Stereo Speaker
* 10X Speed IDE CD-ROM
* Built-in glide pad & Win95 keyboard
* Win95, w/MS Office bundle.
* 2 Years limited warranty
* 24 hrs for 7 day toll-free Support

Included: Battery/AC adapter
Carry bag, DC to AC inverter

12.1"DSTN/1.4GB/133Mhz.....$1799
12.1"TFT/1.4GB/133Mhz.....$2379
12.1"DSTN/1.4GB/150Mhz.....$1899
12.1"TFT/1.4GB/150Mhz.....$2429
12.1"DSTN/1.4GB/166MMX.....$2179
12.1"TFT/1.4GB/166MMX.....$2719
Upgrade to 2.1GB HDD.....add $98

Optional Items:

Memory upgrades 16/32M.....$115/$279
33.6 PCMCIA modem (Kingmax)...$119
10BT Ethernet card (Simple Tech)..$125
Spare NiMH Battery.....$115

InterPro Microsystems Inc. Since 1993

Reseller & Quantity Pricing Available
Term & Conditions:
Knowledgeable tech-support engineers in service. One year Parts & Labor Warranty. Warranty does not cover software problem. No responsible for typos. Prices, Specification, Availability subject to change w/o notice. P.O & Net Term subject to credit approvals. FOB Fremont. Return items are subject to 15% restocking fees. All returned items must has a RMA # & a copy of invoice.

Hours of Operation: M-F 8:00 am - 6:00 pm
Saturday: 10:00 a.m. - 2:30 pm P.S.T

800-226-7216
No Surcharge, Cash Discount Available

Purchase Orders | MasterCard | VISA | Discover | COD

44920 Osgood Road,
Fremont CA 94539
TEL: (510) 226-7226 FAX: (510) 226-7219

Go Online
Come Visit Our New Web Site:
http://www.interpromicro.com

A.I.R Delivers Unbeatable PC Solution !!!

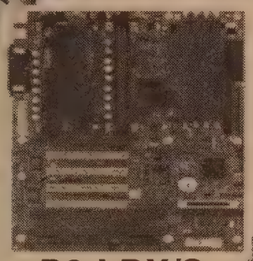
Advanced Intergration Research:

Is dedicated to the development of High performance systems for the OEM and system integrator channels.

AIR innovative Design

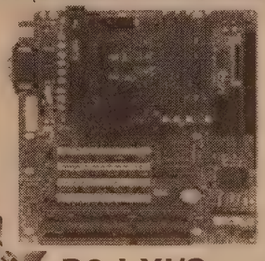
" Award-Winning High-Performance Motherboard Manufacturer Since 1988"

Pentium-II with Ultra/Wide SCSI-3 40MB/Sec Plus Ultra/DMA IDE 33MB/Sec



P6-LDX/S

* Dual Pentium-II 233~300+ Mhz
* Intel 82440LX chipset
* 4xPCI/3xISA/AGP Raid Port
* 4x168-pin S-Dimms(3.3V UBF)
* Adaptec 2940 Ultra/Wide SCSI3
* Dual Ultra EIDE DMA 33MB/Sec
* CPU/System Temp. Monitoring
* ATX form factor,AMI Win BIOS

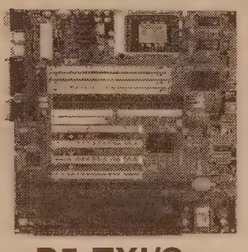


P6-LXI/S

* Single Pentium-II 233~300+ Mhz
* Intel 82440LX chipset
* 4xPCI/3xISA/AGP Raid Port
* 4x168-pin S-Dimms(3.3V UBF)
* Adaptec 2940 Ultra/Wide SCSI3
* Dual Ultra EIDE DMA 33MB/Sec
* Double-Decker ATX form factor
* AMI Win BIOS

P6-KDI/S

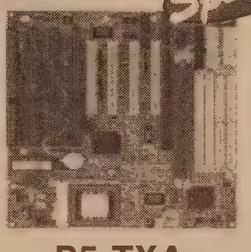
* Dual Pentium-II 233~300+ Mhz
* Intel 82440FX(Natoma) chipset
* 5xPCI/3xISA/Raid Port
* 4x168-pin Dimms(ECC 3.3V BF)
* Adaptec 2940 Ultra/Wide SCSI3
* Dual Ultra EIDE DMA 33MB/Sec
* CPU/System Temp. Monitoring
* AMI Win BIOS, ATX form factor



P5-TXI/S

* Pentium-75~266MMX/AMD K6
* Intel Triton TX chipset, w/512k
* 5xPCI/3xISA/Raid Port
* 6x72-pin SIMMS/2x168-pin SDm
* Adaptec 2940 Ultra/Wide SCSI3
* Dual Ultra EIDE DMA 33MB/Sec
* ATX form factor, Award BIOS
* AT Size w/4xPCI/4xISA,4xSimm

Special

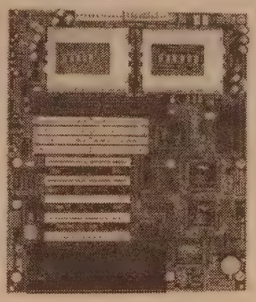


P5-TXA

* Pentium-75~266/AMD K6 Mhz
* Intel 430TX chipset, w/512k
* 4xPCI/4xISA
* 4x72-pin /2x168-pin(5V/BF)
* Dual Ultra EIDE DMA 33MB/Sec
* Double-Decker ATX form factor
* 2xUSB, 4xSimm/2xDimm
* Award Flash Bios, PnP

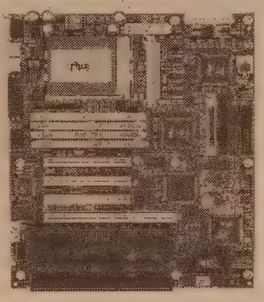
P6-NDP

* Dual Pentium-Pro 150~200Mhz
* Intel 82440FX(Natoma) chipset
* 5xPCI/4xEISA/Raid Port
* 8x72-pin Simms(EDO,FP)
* Adaptec 2940 Ultra/Wide SCSI3
* Full size AT or ATX form factor
* AMI WinBIOS, Plug& Play



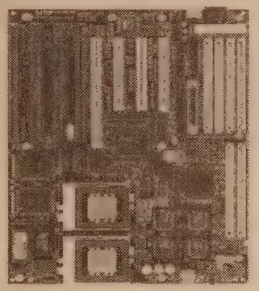
P6-NDI

* Dual Pentium-Pro 150~200Mhz
* Intel 82440FX(Natoma) chipset
* 5xPCI/3xISA
* 4x72-pin/2x168-pin
* Baby ATX form factor
* AMI WinBIOS, Plug& Play



P6-NPI/S

* Single Pentium-Pro 150~200Mhz
* Intel 82440FX(Natoma) chipset
* 4xPCI/4xISA/Raid Port
* 4x72-pin Simms(EDO,FP)
* Adaptec 2940 Ultra/Wide SCSI3
* Baby ATX form factor
* AMI WinBIOS, Plug& Play



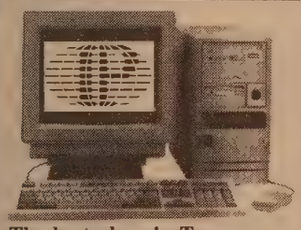
P5-TDP

* Dual Pentium-75~200MMX Mhz
* Intel Triton-II(430HX) chipset
* 4xPCI/4xEISA/Raid Port
* 6x72-pin Simms(EDO,FP)
* Adaptec 2940 Ultra/Wide SCSI3
* Baby AT form factor
* AMI WinBIOS, Plug& Play

Accessory:

* ARI-1130 Raid Adapter
* QAX 50-pin Internal to External breakout
* WQAX 68-pin Internal to External breakout

For more information Visit us on the Web:
www.airwebs.com
or Call Authorized Distributor: InterPro Microsystems Inc.



The best place in Town to Built your PC

STOP Search no more !!!

Call our Technical Sales to assist you with Customizing computer systems according to your special requirements
* *Build yourself or*
* *We can do it for you*

Our Commitment:
All Computer systems are Guaranteed to be NT 4.0 comaptible, The hardware are fully assembled, jumpers & switches setup/configured. Windows 95/NT will be pre-installed for testing purpose, and continuously burned for 48 hours, final inspected by customer.

Dual Pentium-II Server

*AIRP6LDXSw/DualPentium-IIReady
*2940Ultra/WideSCSI-3,w/40MB/Sec
*2xUltraDMA/IDE,w/33MB/Sec
*64MBSDram(upto1GB)Memory
*24xSpeedIDECD-Rom
*Teac1.44MBFloppydrive
*PCISVGAw/1MBDRAM(upto2M)
*3Com10/100BaseTPCINetworkcard
*Microsoft2-ButtonPS/2Mouse
*Keytronic104KeysKeyboard
*Full-TowerATXcasew/250WP.S

DualPentium-II-233Mhz,w/512k...$1839
DualPentium-II-266Mhz,w/512k..$2089
DualPentium-II-300Mhz,w/512k..$2539
Upgradeto128MB.....$219
Add4.3GBUltraWideSCSI3.....$375
Add6.4GBUltraIDEHD.....$349
RaidARO-1130(Raid0,1,5).....$239

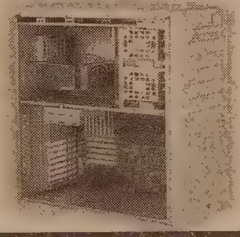
Software Bundle:

WindowsNT4.0Server(5user).....$549
WindowsNT4.0Server(10user)...$698
WindowsNT4.0Workstation.....$198
Windows95"(CD&Manual).....$75

Dual Pentium-Pro Server

*AIRP6NDPw/DualPentium-ProReady
*2940Ultra/WideSCSI-3,w/40MB/Sec
*64MB/60ns/EDOMemory
*12xSpeedSCSICD-Rom
*Teac1.44MBFloppydrive
*PCISVGAw/1MBDRAM(upto2M)
*3Com10/100BaseTPCINetworkcard
*Microsoft2-ButtonPS/2Mouse
*Keytronic104KeysKeyboard
*Full-TowerATorATcasew/250WP.S

DualPro-180Mhz,w/256k.....$1499
DualPro-200Mhz,w/256k.....$2059
Add2.1GBUltraWideSCSI3.....$259
Add4.3GBUltraWideSCSI3.....$375
RaidARO-1130(forRaid0,1,5).....$239



Dual Pentium Server

*AIRP55TDPw/DualPentiumCPUReady
*2940Ultra/WideSCSI-3,w/40MB/Sec
*64MB/60ns/EDOMemory
*12xSpeedSCSICD-Rom
*Teac1.44MBFloppydrive
*PCISVGAw/1MBDRAM(upto2M)
*3Com10/100BaseTPCINetworkcard
*Microsoft2-ButtonPS/2Mouse
*Keytronic104KeysKeyboard
*Mid-TowerATXcasew/250WP.S

DualPentium-100/133Mhz.....$1199/$1239
DualPentium-166/200Mhz.....$1329/$1489
Add2.1GBUltraWideSCSI3.....$259
Add4.3GBUltraWideSCSI3.....$375
RaidARO-1130(forRaid0,1,5).....$239

Antec KS-280

Windows 95" Station

*AIRP54TXAPentium/AMDK6CPU
*2xUltra/DMA/IDE,w/33MB/Sec
*16MB/60ns/EDOMemory
*24xSpeedIDECD-Rom
*Teac1.44MBFloppydrive
*PCI3DSVGAw/2MBDRAM
*3Com10/100BaseTPCINetworkcard
*Microsoft2-ButtonPS/2Mouse
*Keytronic104KeysKeyboard
*Mini-TowerATXcasew/250WP.S

AMDK6-166/200/233.....$589/$639/$Call
CyyrixM2-166+/200+.....$549/$579
Pentium-100/133Mhz.....$549/$569
Pentium-166/200Mhz.....$599/$689
Pentium-166/200/233MMX.....$599/$689/$779
Add2940UWSCSIcard.....$125
Add2GBUltraWideSCSI3.....$259

Antec KS-180

InterPro Microsystems Inc.
Authorized Distributor

Reseller & Quantity Pricing Available

Term & Conditions:
Knowledgeable tech-support engineers in service. One year Parts & Labor Warranty. Warranty does not cover software problem. No responsible for typos. Prices,Specification,Availability subject to change w/o notice. P.O & Net Term subject to credit approvals. FOB Fremont. Return items are subject to 15% restocking fees. All returned items must has a RMA # & a copy of invoice.

Hours of Operation: M-F 8:00 am - 6:00 pm
Saturday: 9:00 a.m. - 3:00 pm P.S.T

800-226-7216

No Surcharge,Cash Discount Available

Purchase Orders | MasterCard | VISA | Discover Card | COD

44920 Osgood Road,
Fremont CA 94539
TEL:(510)226-7226 FAX:(510)226-7219

Go Online
Come Visit Our New Web Site:
//www.interpromicro.com

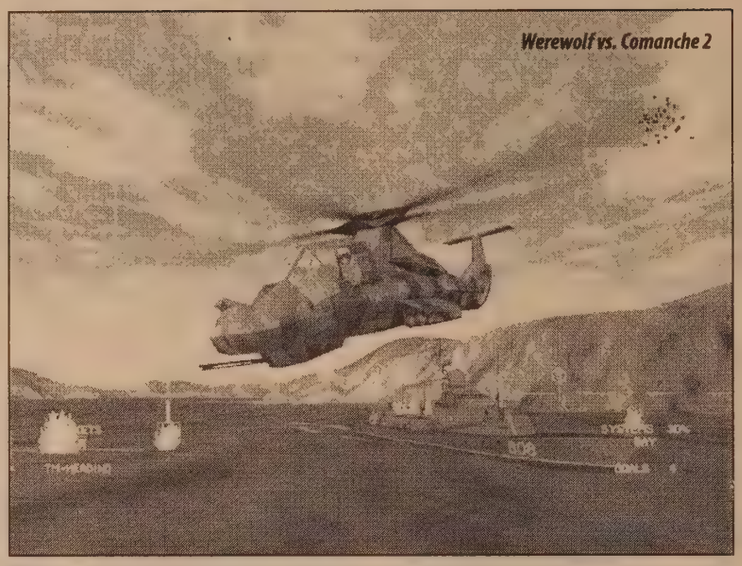
Product Announcements *continued from page 146*

Versailles 1685

Cryo Interactive Entertainment's *Versailles 1685* is one of the first historical multimedia works to combine the splendor of French history and art in a challenging interactive CD-ROM game. Players live everyday life in the 17th century as they try to stop the destruction of the French king's palace. To save the Château of Versailles, players must make their way through royal protocol and infiltrate an insidious conspiracy. *Versailles 1685* features 3-D reconstructions of the forty principal rooms of the palace, behind-the-scenes servant passages, and the principal exteriors. Players explore famous rooms, such as the Hall of Mirrors, but also rooms that no longer exist today, such as the splendid Ambassadors' Staircase, or that are not accessible today, such as a valet's private quarters. Included are ceiling and wall frescoes, over 200 paintings hung in their original locations for the first time in hundreds of years, and all other original furnishings, even the king's famously expensive silver furniture in the Hall of Mirrors. ($49.95) Cryo Interactive. (415)771-4469. URL: *http://www.cryo-interactive.fr* .

Werewolf vs. Comanche 2

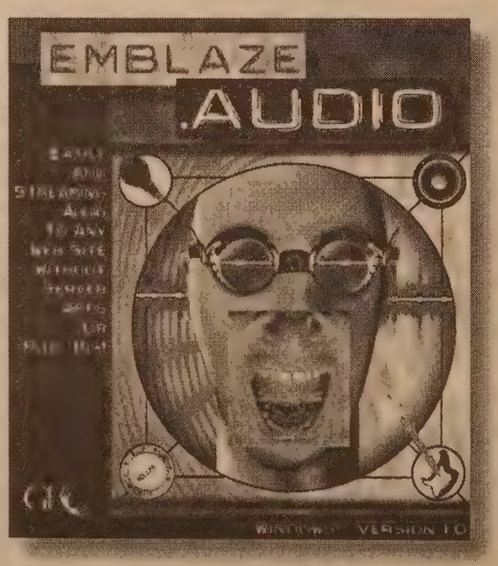
Computer flight-simulation developer NovaLogic, Inc. has released *Werewolf vs. Comanche 2* for the Macintosh, a combat helicopter game which promies players more than 500 times the level of graphic detail generally found in comparable simulations with over twenty-five different types of terrain ranging from arid deserts and lush jungles to high-altitude mountainous regions. The game allows players to fly the Russian-built Ka-50 Hokum helicopter, nicknamed "Werewolf" by its crews, or the Boeing Sikorsky RAH-66 Comanche, America's high-tech stealth helicopter of the future. *Werewolf vs. Comanche 2* comes with over sixty different single-player missions to choose from. Players may connect via modem, serial cable, or network; modem and serial connections support two-player games while up to four people can participate simultaneously when linked via a network connection. NovaLogic, Inc. (818)880-1997. URL: *http://www.novalogic.com* .

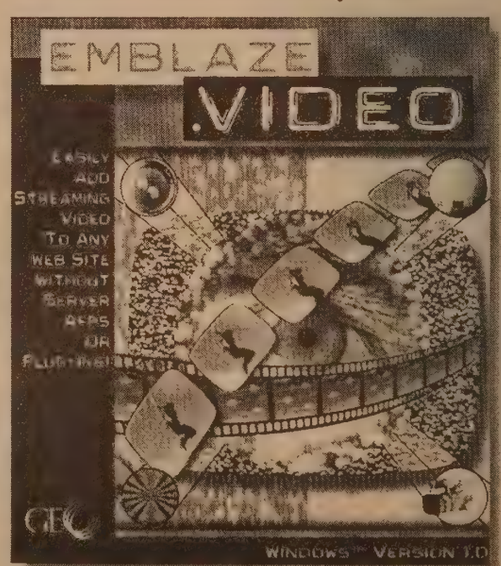


INTERNET/WEB SOFTWARE

Emblaze Video/Emblaze Audio

CEO Publishing, Inc. has shipped Emblaze Video and Emblaze Audio, which work with all popular Web development packages to allow Webmasters of all levels of experience to convert their video/audio easily and then place it back out on their Web site. The media can then be played by anyone with a Java-enabled browser. Emblaze Video compresses AVI and WAV files on a PC, or QuickTime and SND files on a Macintosh, converting them to Emblaze Video files that play on any platform through a Java-supporting browser. Viewers using a standard 28.8Kbps modem can view smooth motion with video rates of 12-15 frames per second. Emblaze Audio converts PC WAV files and Macintosh SND or AIFF files into streaming Emblaze files that play on any platform through a Java-supporting browser. Even when heard through a 14.4Kbps modem, Emblaze Audio delivers high-quality, 6-bit audio. ($295 each; available for a thirty-day free trial at *http://www.emblaze.com*) CEO Publishing, Inc. 1-888-GEO-4WWW.





Net.Medic

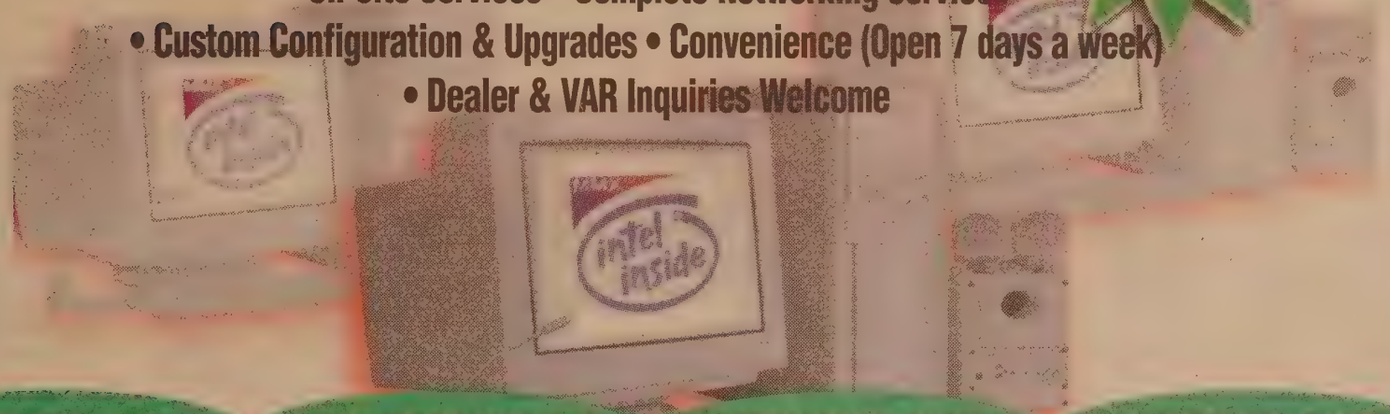
VitalSigns Software Inc. has introduced Net.Medic, a browser companion designed to proactively monitor, isolate, diagnose and correct Internet performance problems. Developed for end users, Net.Medic improves Internet

CompuMart

SINCE 1990 WE'VE BEEN OFFERING YOU:

- Knowledgeable Personal Service (Expert Technical Staff)
- On-Site Services • Complete Networking Services
- Custom Configuration & Upgrades • Convenience (Open 7 days a week)
- Dealer & VAR Inquiries Welcome

OVER 5000 PRODUCTS IN STOCK including ... and Magazines



VALUE SYSTEM	MULTIMEDIA SYSTEM	PERFORMANCE SYSTEM	PROFESSIONAL SYSTEM
❖ PCI Motherboard	❖ Pentium® Motherboard	❖ Pentium® Motherboard	❖ Intel Motherboard ❖ 64MB 60ns EDO RAM
❖ 16MB 60ns RAM	❖ 16MB 60ns EDO RAM	❖ 32MB 60ns EDO RAM	❖ 4.0GB SCSI Hard Disk
❖ 1.6GB Hard Disk ❖ 1.44MB Floppy Drive	❖ 2.0GB Hard Disk ❖ 1.44MB Floppy Drive	❖ 4.0GB Hard Disk ❖ 1.44MB Floppy Drive	❖ 1.44MB Floppy Drive ❖ 17" .28 NI Monitor
❖ 1MB PCI Video	❖ 2MB Video w/MPEG	❖ 2MB VRAM Video ❖ 15" .28 NI Monitor	❖ 4MB VRAM Video Matrox
❖ 14" .28 NI Monitor	❖ 15" .28 NI Monitor	❖ 104 Enhanced Keyboard ❖ Mouse	❖ 104 Enhanced Keyboard ❖ Mouse
❖ 104 Enhanced Keyboard	❖ 104 Enhanced Keyboard ❖ Mouse	❖ MS Windows 95 ❖ 24X CD-ROM	❖ 16X SCSI CD-ROM
❖ Mouse	❖ MS Windows 95 ❖ 16X CD-ROM	❖ Sound Blaster 16 ❖ Amplified Speakers	❖ Sound Blaster AWE 64
❖ MS Windows 95 or MS DOS & Windows	❖ Sound Blaster 16 ❖ Amplified Speakers	❖ 33.6K Fax/Modem	❖ Adaptec 2940 UW Ctrl ❖ 56K Fax/Modem

Pentium® 133/166 ..... $690/750 Pentium® 166/200MMX.. $999/1129 Pentium® 200/233MMX. $1299/1459 Pentium® II 266/300 ... $2395/2495

STORAGE

WD	1.2GB/1.6GB	$149/159
	2.0GB/2.5GB	179/199
	3.1GB/4GB	219/269
	5GB/6GB	359/389
Quantum	2.1GB/3.2GB SCSI	279/349
	4.2GB SCSI	369
	3.2GB/6.4GB ULTRA IDE	249/349
IBM	2.0GB/4GB SCSI/UW	329/399
Fujitsu	4GB SCSI/UW	449/489
	1.2GB/1.7GB IDE	149/159
	2.1GB/3.5GB IDE	179/229
Seagate	4GB SCSI/UW	649
Iomega	Zip 100 IDE	105
	Jaz 1.0GB Int/Ext	269/379
Colorado	T3000 Int/Ext	169/199

CONTROLLERS

Adaptec	1505/1515	$79/89
	1542/2920	179/139
	2940/2940UW	179/209
	Mini SCSI +/PCMCIA SCSI	149/179
Promise	Enh IDE&IO	49

SCANNERS

HP	ScanJet 5P/6100C	$289/709
	ScanJet 5S	249
Logitech	ScanMan Color 2000	129
	PageScan Color	239
PaperPort	Visionare MX/Strobe	199/269

MONITORS

MAG	DX15/710V2	$299/549
Viewsonic	14" E641/15" E655	219/309
	17" G771/17" PT770	539/695
	21" G810/21" P815	1295/1629
Sony	15" 100SX/100SF	339/395
	17" 200SX/200SF	599/689
NEC	E500/A700	389/595

PRINTERS

HP	670C/720C	$199/349
	890/1000C	429/485
	6Lxi/6Pxi	389/749
	5/5Si	999/2475
Epson	Stylus Photo/Color 800	429/379
	Stylus 1500	669

VIDEO BOARDS

ATI	3D Xpr 2/4MB	$75/119
	All-in-Wonder 2/4MB	199/209
Diamond	Stealth 3D 2000 2/4MB	69/89
	Stealth 3D 3000 2/4MB	119/149
Matrox	Millennium II 4MB/8MB	195/279
	Mystique 2MB/4MB	99/139

MULTIMEDIA

Creative Labs	SB 16/64 PnP	$59/89
	Discovery 24X AWE 64	229
Mitsumi/Teac	24X CD-ROM	89
Toshiba	12X/16X/24 CD-ROM IDE	79/89/99
	16X/24X CD-ROM SCSI	119/149
Panasonic	8X CD-ROM SCSI	89
	24X CD-ROM IDE	95
NEC	16X CD-ROM SCSI	129

FAX/MODEMS

Hayes	56K Int/Ext	$135/155
Megahertz	33.6/56K PCMCIA	199/259
Supra	33.6/56K Int	79/109
US Robotics	56K Int/Ext	160/190
Motorola	56K Int/Ext	99/139

NETWORKS

CNet	NE2000	$22
3COM	3C509TPO/BNC	59/89
	3C509 Combo	89
	3C900/3C905 TP	85/72
	PCMCIA TP	145

SERVERS & SERVICES

NT & NOVELL	Servers & Installation	CALL
	On-Site Service Available	CALL
	Internet Servers	CALL

1320 S. California Blvd., Walnut Creek

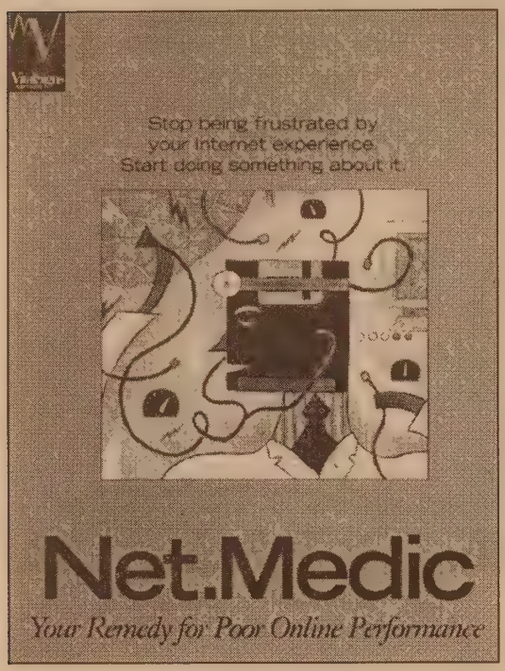
(Across from Cost Plus, next to Stroud's)
1 Block South of Simon Home Center

(510) 946-1234

Visit Our Website: compumart-online.com

Monday-Friday: 9:30-8:00,
Saturday: 10:00-6:00
Sunday: 12:00-5:00

All prices and availability are subject to change without notice. We are not responsible for typographical errors.


Stop being frustrated by your Internet experience. Start doing something about it.
Net.Medic
Your Remedy for Poor Online Performance

browsing by enabling users to identify, understand and correct the source of performance delays. Designed for use with popular browsers, Net.Medic determines for each user the source of slow response times from Web sites, whether caused by the user's PC or modem, his ISP, the Internet backbone or remote Web server. Net.Medic then recommends solutions or automatically fixes the problem when possible. In addition, Net.Medic maintains a comprehensive list of performance problems and their causes, and recommends the appropriate remedy for many common Internet ailments. Net.Medic also offers session summaries allowing users to view where they have spent their time and the performance and speed they have experienced at each site. For Windows 95, Windows NT 4.0, Netscape Navigator 3.0 or later, and Microsoft Internet Explorer 3.0 or later. ($49.95; available for a thirty-day free trial at *http://www.vitalsigns.com*) VitalSigns Software Inc. (408)980-8844. URL: *http://www.vitalsigns.com* .

eSafe Protect

Because anti-virus software alone does not offer enough protection for today's Internet users, eSafe Technologies has introduced their flagship "anti-vandal" software, eSafe Protect, which is designed to eliminate vandal threats as well as viruses and other malicious programs. eSafe Protect provides protection against the destruction of data files, the erasure or damage of hard drives, the re-routing of modems to pay-phone numbers, and a wide variety of other computer damage. eSafe Protect does not block the entry of unknown code, Java applets or ActiveX controls into computers; instead, it allows information, files and programs to enter a "safe area" in the computer where they are immediately placed under constant and close surveillance. This quar-

2 Locations to Serve the Bay Area. Santa Clara & Mt. View

MULTIMEDIA MONTHLY SYSTEM SPECIAL

Triton 438VX M/B w/512K
Cyrix/IBM CPU P200MHz
16MB 60ns EDO 72 Pin RAM
1.2GB EIDE Hard Disk
1.44MB Floppy Drive
104 Keyboard for Win95
Mouse w/ Pad
Diamond St 2500 EDO Card w/2MB
3D 16-Bit Sound Card
16X Toshiba CD-ROM
PCI EIDE Controller w/IO 16550
33.6K Fax Modem
Mini Tower w/ Display
Windows 95 Release II

$680

Buy this system and get FREE SPEAKERS!

INTELLIGENT STUDENTS SCHOOL-READY SYSTEM

Triton 438VX M/B w/512K
Cyrix/IBM CPU P200MHz
16MB 60ns EDO 72 Pin RAM
1.2GB EIDE Hard Disk
Mini Tower w/ Display
Windows 95 Release II
Diamond St 2500 EDO Card w/2MB
3D 16-Bit Sound Card
16X Toshiba CD-ROM
PCI EIDE Controller w/IO 16550
33.6K Fax Modem 1.4MB Floppy Drive
104 Keyboard for Win95
Mouse w/ Pad

$679

ASK FOR USED monitors with a limited warranty $89
AMD K5-166/K-166 ..... $679/759
AMD K6 MMX200/166 ..... $819/699
MMX P5-200/166 ..... $809/729
Pentium® 200/166 ..... $799/749
Add: 14" .28 dp NI...$149 • 15" .28 dp NI...$209 • 17" .26 dp NI...$389

INTEL PENTIUM® MULT #11 SYSTEM

Intel Triton III 430 VX M/B w/256K Pipeline Cache
32MB EDO RAM
1.7GB IDE Quantum HDD
PCI EIDE Controller w/IO 16550
33.6K Fax Modem w/ Voice
16X EIDE CD-ROM
GNT 120 Watt Speakers
820CXI HP Deskjet optional
Windows 95 Release II
MS Office Pro 97, Excel, Word, Access PowerPoint and more
Supports Intel MMX Technology
Intel Pentium® 150MHz CPU w/Fan
1.44MB Teac FDD
Mini Tower w/ Display
Sound Blaster 16-Bit Card
Mouse w/ Pad
Ethernet card optional
3D Graphic Card w/ 2MB
104 QTRONICS Keyboard for Win95

$1189

15" .27 dp ViewSonic 15GS Monitor

INTEL EXPLORER SYSTEM

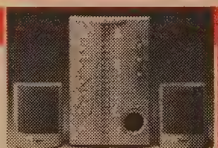
ASUS TX-97 M/B w/512K Pipeline Burst Cache
Intel Pentium® P-166MHz CPU w/Cooling Fan
1.44MB Teac FDD
33.6K Fax Modem w/ Voice Internal
104 Keyboard Win95
16X IDE Toshiba CD-ROM
Mouse/Pad
Supports Intel MMX Technology
PCI EIDE Controller w/IO 16550
32MB 60ns EDO RAM
3.2GB EIDE HDD
Mini Tower w/250W P/Supply
3D 16-Bit Sound Card
GNT Speaker 120 Watts
Diamond Stealth w/2MB RAM
Windows 95 Release II

$869

MMX P5-233/200/Pro ..... $1119/979/CALL$
PII233/266 ..... $1269/1419
Pentium® 300 ..... CALL$

MONTHLY SPECIAL

SUBWOOFERS SPEAKERS VALUES $89 NOW $59 COME AND TRY IT



MINI TOWER $21
USED MONITORS IN GOOD CONDITION w/limited warranty $89

PROVIDE LOW-COST NETWORK SYSTEMS, WINDOWS 95 & NT 4.0

PROVIDE INTERNET CONNECTION FOR $17.95/MONTH

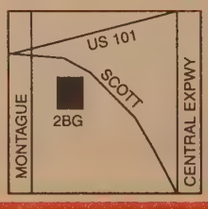
Lay-Away Program Available

COME BUY PARTS AND BUILD YOUR OWN SYSTEM IN OUR SHOP

MOTHERBOARDS	
VX Pro w/512K	$65
ASUS 430 HX EIDE/IO 16550 w/ 256K PB	$129
Intel Triton III 430VX w/256K PB	$79
Intel Venus/ w/Audio	$139/169
Intel Marl EIDE/IO w/256K PB	$157
EPOX P55T2P4, 512K	$179
CPUs	
AMD 586-133	$39
Pentium® Pro 200 w/256K	$479
AMD K6 P200/166	$205/139
CYRIX P200/166	$75/65
INTEL P200/166/150/133	$209/149/99/99
INTEL P II 266/233	$589/495
INTEL P 300	$869
CASES	
Mini Tower Case w/230 Watts & Display	$26
Desktop Case	$36
Mid/Full Tower w/ Display	$35/49
Super Mini Tower	$59
Mid Tower ATX w/230W Power Supply	$84
ULTRA DMA HARD DRIVES	
1.2/1.7/2.5/3.2GB EIDE	$109/119/159/179
3.2GB SCSI	$319
4.4/6.5GB EIDE	$279/369
MEMORY	
4/8/16/32MB 72 Pin EDO	$29/39/59/99
CALL FOR MORE MEMORY	
MONITORS	
14"/15" .28, 17" .26dp Smile	$155/219/389/399
14"/15"/17" .28 NI Impression	$169/249/459
15"/17"/21" Viewsonic 15GA/17GS/P810	$310/619/1399
15"/17" .25/.25 Sony 100SX/200SF/PT770	$329/629/739
17"/21" .25/.28 Sony 160Hz PT775/PT813	$839/1539
FAX MODEM	
33.6K Fax Modem w/ Voice	$49
US Robotics 56K Sportster Internal w/ Voice	$139
GENERIC 56K FAX MODEM w/ VOICE	$99
CD-ROM	
6X CD-ROM SCSI Teac 56S	$130
8X/24X CD-ROM IDE Panasonic	$69/99
12X CD-ROM Toshiba	$79
16X CD-ROM IDE Sony	$89
NETWORK CARDS	
16-Bit Ethernet w/ BNC & TP (Combo)	$16
NT-NE/2000 Combo	$14
D-Link DE530CT 32-Bit PCI Network Card	$60
3COM CARDS	
3C509B TP/TP+AUI	$55/65
3C509-BTPC TP+BNC...OEM	$72/110
3C905-TX PCI 10/100 TP	$75/95

2BG COMPUTER 6 YEARS TRAINING CENTER

R&B Commerial Park
3060 Scott Blvd.
Santa Clara, CA
95054-3325



Tel. 408.988.2968
Fax 408.988.2686
E-mail computers@global.california.com
WEB PAGE: www.california.com/~computers

Prices subject to change withiout notice
Hours: Mon.-Fri. 9-7, Sat 10-5:30

W & K International

WE'VE EXPANDED!

SERVING SATISFIED CUSTOMERS SINCE 1990

W&K International prides itself on the highest quality system configurations; we offer excellent service and technical support, and our systems carry quality processors assembled with the finest components. We're sure you'll be satisfied, please call 650-794-0921.

NEW — SCSI Power Graphics System 1AGP Ultra Wide SCSI-3 System with Intel's Single/Dual Pentium® II Processor

- Intel's 440LX 1AGP Chipset Motherboard
- Accelerated Graphics Port Slot Supported
- 1AGP/4PCI/2 ISA, 4-168-Pin DIMM
- Intel's 440LX 1AGP Chipset
- Single/Dual Pentium® II Processor-233/266/300MHz
- 512K L2 Cache
- Intel Heat Sink & Cooling Fan/Alarm B/B
- 64MB 168-Pin DIMM 10ns
- Seagate 4.5GB Cheetah Ultra Wide SCSI 8MS 10033RPM/512K
- Adaptec 7880/7895UW Ultra Wide PCI SCSI Controller
- 2 Hi-Speed (16c550 Fast UARTs) Serials & 1 Enhanced Parallel
- Mitsumi 1.44MB 3.5" Floppy Drive
- ATI's Xpert @Play 1AGP 2x 3D w/TV Out 8MB SGRAM Up To 8MB VGA Card
- NEC's E700 17".25NI 1600x1200 @ 76Hz Monitor
- Keytronic 104 Windows 95 Keyboard
- Logitech MouseMan 3-Button Combo Mouse
- Deluxe File Server Full Size Tower w/Open Side Door 300 w/UL
- Panasonic 24X SCSI 100ms 4100KB CD-ROM
- US Robotics Sportster 56 S/R Fax Modem
- Sound Blaster AWE 64 Value Sound Card
- 3D Stereo 360 w/Speaker System

	Single	Dual
Pentium® II Processor 233MHz w/ASUS M/B	$3,522	$3,982
Pentium® II Processor 266MHz w/ASUS M/B	$3,657	$4,251
Pentium® II Processor 300MHz w/ASUS M/B	$3,899	$4,735
Pentium® II Processor 233MHz w/Tyan M/B	$3,615	$4,075
Pentium® II Processor 266MHz w/Tyan M/B	$4,005	$4,854
Pentium® II Processor 300MHz w/Tyan M/B	$4,005	$4,854

**Windows NT 4.0 Workstation/Server-Setup & Tested ..... Add $160/$Call
**Windows 95 Release 2 w/CD & Manual ..Add $90

NEW — W & K's Fast Ultra Wide SCSI-3 System with Intel's Pentium® II Processor

- Intel's PD 440FX Chipset Motherboard
- Supports up to 1GB RAM/ECC in 4-8 72-Pin SIMM
- Plug & Play Compliant
- Intel's PD 440FX Chipset
- Pentium® II Processor-233/266MHz
- 512K L2 Cache
- Intel Heat Sink & Cooling Fan/Alarm B/B
- 64MB 60ns EDO RAM up to 1GB
- Seagate 2.2GB Barracuda Ultra Wide SCSI 8MS 7200RPM/512K
- Adaptec 7880/2940UW Ultra Wide PCI SCSI Controller
- 2 Hi-Speed (16c550 Fast UARTs) Serials & 1 Enhanced Parallel
- Mitsumi 1.44MB 3.5" Floppy Drive
- Matrox Millennium II 3D 4MB WRAM VGA Card
- ViewSonic G773 17".26NI 1280x1024 @ 66Hz Monitor
- Keytronic 104 Windows 95 Keyboard
- Logitech MouseMan 3-Button Combo Mouse
- Deluxe File Server Full Size Tower w/Open Side Door 300w/UL
- NEC's 16X SCSI 100ms 2400KB CD-ROM
- US Robotics Sportster 56 S/R Fax Modem
- Sound Blaster 16 Bit, AWE 64 Value PnP, or Yamaha Opl3 Stereo Sound Card
- 3D Stereo 360W Speaker System

Pentium® II Processor 233/266/300MHz w/ASUS M/B	$2,865/2,999/3,252
Pentium® II Processor 233/266/300MHz w/Intel M/B	$2,929/2,982/3,235
Pentium® II Processor 233/266/300MHz w/Tyan M/B	$2,858/2,992/3,245

**Windows NT 4.0 Workstation/Server-Setup & Tested ..... Add $160/$Call
**Windows 95 Release 2 w/CD & Manual ...Add $90

NEW — 1AGP SCSI-3 System with Intel's Pentium® II Processor

- Intel's 440LX 1AGP Chipset-Based Motherboard
- Accelerated Graphics Port Slot Supported
- 1AGP, 5PCI, 2 ISA Slot
- Plug & Play Compliant
- Intel's 440LX 1AGP Chipset
- Pentium® II Processor 233/266/300MHz
- 512K Cache
- Intel Heat Sink & Cooling Fan/Alarm B/B
- 32MB 60ns 168-Pin DIMM up to 384MB
- Quantum 3.2GB Ultra SCSI 5400RPM/128K Hard Drive
- Adaptec 2940UW Ultra Wide SCSI Controller on Board
- Ultra DMA/33 IDE Port, on Board I/O
- Mitsumi 1.44MB 3.5" Floppy Drive
- ATI's Xpert @Play 1AGP 2x 3D w/TV Out 4MB SGRAM up to 8MB VGA Card
- ViewSonic EA771 17".27NI 1280x1024 66Hz Multimedia Monitor w/Bezel-Integrated Stereo Speakers
- Keytronic 104 Windows 95 Keyboard
- Logitech 3-Button Combo Mouse
- Deluxe ATX Medium Tower Case 250W Power Supply
- NEC's 16X SCSI 100ms 2400KB CD-ROM
- Creative Lab AWE 64 Value PnP Stereo Sound Card
- US Robotics Sportster 56 S/R Fax Modem

Pentium® II Processor 233/266/300MHz w/ASUS M/B	$2,540/2,675/2,928
Pentium® II Processor 233/266/300MHz w/Microstar M/B	$2,518/2,652/2,905
Pentium® II Processor 233/266/300MHz w/Tyan M/B	$2,568/2,703/2,956

**Windows NT 4.0 Workstation/Server-Setup & Tested ..... Add $160/$Call
**Windows 95 Release 2 w/CD & Manual ...Add $90

NEW — W & K's Ultra IDE System with Intel's Pentium® II Processor

- Intel's PD 440FX Chipset Motherboard
- Supports up to 768MB RAM/ECC in 4-8 72-Pin SIMM
- Intel PD 440FX Chipset
- Pentium® II Processor-233/266/300MHz
- 512K L2 Cache
- 32MB 60ns EDO RAM up to 768MB
- Quantum 4.3GB Ultra DMA IDE Hard Drive
- 2 Hi-Speed (16c550 Fast UARTs) Serials & 1 Enhanced Parallel
- Mitsumi 1.44MB 3.5" Floppy Drive
- Diamond Stealth 3D Virge 4MB EDO DRAM w/MPEG Screaming 64-Bit Graphics
- Impression 7 Plus 17".27NI 1280x1024@ 60Hz Monitor
- Keytronic 104 Windows 95 Keyboard
- Logitech 2-Button PS-2 Mouse
- Deluxe ATX Medium Tower Case 235W Power Supply
- Toshiba IDE 24X 90ms 3600KB CD-ROM
- Diamond Supra Express 56K S/R w/Voice Fax Modem
- Sound Blaster 16 Bit, AWE 64 Value PnP, or Yamaha Opl3 Stereo Sound Card
- Surround Sound 240W Speaker System w/Subwoofer

Pentium® II Processor 233/266/300MHz w/ASUS M/B	$2,049/2,183/2,436
Pentium® II Processor 233/266/300MHz w/Micro Star M/B	$1,939/2,074/2,327
Pentium® II Processor 233/266/300MHz w/Intel M/B	$2,028/2,163/2,416
Pentium® II Processor 233/266/300MHz w/Tyan M/B	$1,949/2,084/2,337

**Windows NT 4.0 Workstation/Server-Setup & Tested ..... Add $160/$Call
**Windows 95 Release 2 w/CD & Manual....Add $90

NEW — Enhanced IDE Pro System with Intel's Pentium® Pro Processor

- Intel Advanced/VS Motherboard
- Intel/AMI Flash BIOS, Zif Socket 8
- 3PCI, 3 ISA, 1 Shared Slot
- Intel 440FX Triton Chipset-Based Motherboard
- Pentium® Pro Processor-150/180/200MHz
- 512K/256K Cache
- Intel Heat Sink & Cooling Fan/Alarm B/B
- 32MB 60ns EDO RAM up to 128MB
- Quantum 3.2GB Ultra DMA IDE Hard Drive
- 2 Hi-Speed (16550 Fast UARTs) Serials & 1 Enhanced Parallel
- Mitsumi 1.44MB 3.5" Floppy Drive
- Expert S3 3D Virge 4MB EDO DRAM w/MPEG Screaming 64-Bit Graphics
- Optiquest's V773 17" .26NI 1280x1024 Monitor
- Qtronix 104 Windows 95 PS-2 Keyboard
- Logitech 2-Button PS-2 Mouse
- Deluxe ATX Form Medium Tower Case 230W UL CSA Power Supply
- Toshiba IDE 24X 90ms 3600KB CD-ROM
- Crystal 16-Bit Sound Card on Board
- Pontech's 80-Watt 2 Way Amplified Speakers
- Diamond Supra Express 56K S/R w/Voice Fax Modem

Windows 95 Release 2 w/CD & Manual

Pentium® Pro Processor 200 w/512K Cache	$2,495
Pentium® Pro Processor 200 w/256K Cache	$2,008
Pentium® Pro Processor 180 w/256K Cache	$1,688

**Microsoft Office Professional 97 ..... Add $165

NEW — Performance Ultra DMA System with AMD, Cyrix, Intel's Pentium® Processor

- ASUS's TX97-E Smart Motherboard
- Intel's 430TX Chipset-Based Motherboard
- Supports Intel/Cyrix/AMD MMX Processor
- PC 97 Compliant, ACPI Ready, Award BIOS
- 3PCI, 4 ISA 1 ASUS Media Bus, 4/SIMM 2/DIMM up to 256MB
- AMD K6/Cyrix 6x86/Pentium® Processor
- Heat Sink & Cooling Fan
- 512KB Pipeline Burst Cache
- 32MB 60ns EDO RAM up to 128MB
- Fujitsu 4.3GB Ultra DMA IDE Hard Drive
- 2 Hi-Speed (16550 Fast UARTs) Serials & 1 Enhanced Parallel
- Mitsumi 1.44MB 3.5" Floppy Drive
- Diamond Stealth 3D Virge 4MB EDO DRAM w/MPEG Screaming 64-Bit Graphics
- Viewtronics 17".26NI 1280x1024 64Hz Windows 95 Plug & Play Monitor
- Keytronic 104 Windows 95 Keyboard
- Logitech 2-Button Serial Mouse
- Deluxe Medium Tower Case 250W Power Supply
- Toshiba IDE 24X 90ms 3600KB CD-ROM
- Creative Lab AWE 64 Value PnP Stereo Sound Card
- Surround Sound 240W Speaker System w/Subwoofer
- Diamond Supra Express 56K S/R w/Voice Fax Modem

Windows 95 Release 2 w/CD & Manual

AMD K6-233MMX	$1,870
AMD K6-200/166MMX	$1,660/1,606
Cyrix 6x86MX-PR200/166	$1,611/1,572
Cyrix 6x86-P200/P166	$1,558/1,549
Pentium® Processor-233MMX	$1,806
Pentium® Processor-200MMX/200	$1,709/1,710
Pentium® Processor-166MMX/166	$1,618/1,616
Pentium® Processor-150/120	$1,585/1,577

**Microsoft Office Professional 97 ..... Add $165

NEW — Ultra SCSI Value Systems with Intel's Pentium® Processor

- Intel Advanced/TS Motherboard
- Intel TC430HX Chipset-Based Motherboard
- PC'97 Compliant Including Windows
- Supports Universal Serial Bus
- Supports Intel MMX Processor
- Supports Pentium® Processor 120/133/166/200/233MHz MMX
- Heat Sink & Cooling Fan
- 512K Pipeline Burst Cache
- 32MB 60ns EDO RAM up to 128MB
- Adaptec 2940UW Ultra Wide PCI SCSI Controller
- Quantum 3.2GB Ultra SCSI 5400RPM/128K Hard Drive
- 2 Hi-Speed (16550 Fast UARTs) Serials & 1 Enhanced Parallel
- Mitsumi 1.44MB 3.5" Floppy Drive
- Diamond Stealth 3D Virge 2MB EDO DRAM w/MPEG Screaming 64-Bit Graphics
- Impression 5VX 15".28NI 1280x1024 Digital Monitor
- Keytronic 104 Windows 95 Keyboard
- Logitech 2-Button PS-2 Mouse
- Deluxe ATX Form Medium Tower Case 235W UL Power Supply
- NEC's 16X SCSI 100ms 2400KB CD-ROM
- Yamaha Opl3 FM Synthesizer Stereo Sound Card
- Pontech's 80-Watt 2-Way Amplified Speakers
- Diamond Supra Express 56K S/R w/Voice Fax Modem

Windows 95 Release 2 w/CD & Manual

Pentium® Processor-233MMX	$1,826
Pentium® Processor-200MMX/200	$1,732/1,727
Pentium® Processor-166MMX/166	$1,639/1,636
Pentium® Processor-150/120	$1,602/1,598

**Microsoft Office Professional 97 ..... Add $165

NEW — W&K's Performance Multimedia System with AMD, Cyrix, or Intel's Pentium® Processor

- Intel 430VX Triton Chipset-Based Motherboard
- AMD K6/Cyrix 6x86/Pentium® Processor
- Heat Sink & Cooling Fan
- 512KB Pipeline Burst Cache
- 16MB 60ns EDO RAM up to 128MB
- Fujitsu 1.7GB Enhanced IDE 10ms Hard Drive
- Mitsumi 1.44MB 3.5" Floppy Drive
- Techmedia 14".28NI 1024x768 60Hz Monitor
- S3 Trio 64 V+ 1MB w/MPEG Screaming 64-Bit Graphics
- Qtronix 104 Windows 95 Keyboard-Serial
- Logitech 2-Button PS-2 Mouse
- Deluxe Mini Tower Case 230W Power Supply
- Toshiba IDE 24X 90ms 3600KB CD-ROM
- Opti Full Duplex Stereo Sound Card w/3D
- Pontech's 60W 2-Way Amp Speaker
- Impression 33.6 V.34 S/R w/Voice Fax Modem
- Cyber 97 10 CD Pack: 97 Grolier's Multimedia Encyclopedia, Internet Online, Cyberspeed, Family Dictionary, Al Unser Jr, The Real Deal, The Animals! 2.0, SMS Reference Library, Home Office Asst., Family Dictionary

Windows 95 Release 2 w/CD & Manual

AMD K6-233/200MMX	$1,173/967
AMD K6-166MMX	$913
Cyrix 6x86MX-PR200/166	$929/889
Cyrix 6x86-P200/P166	$866/858
Pentium® Processor-233MMX	$1,113
Pentium® Processor-200MMX/200	$1,019/1,015
Pentium® Processor-166MMX/166	$925/924
Pentium® Processor-150/120	$890/885

**Microsoft Office Professional 97 ..... Add $165

W & K International

132 Hazelwood Drive *(near Tanforan Mall)* South San Francisco, CA 94080

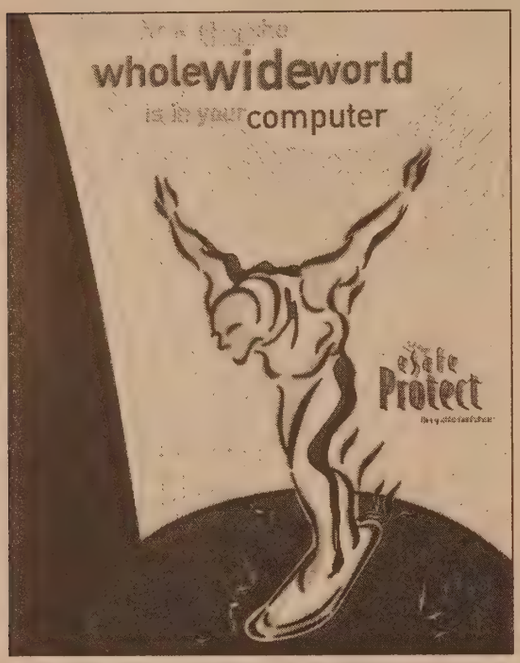
Tel: 650-794-0921 • Fax: 650-794-0922

E-Mail: WKINTL@WKINTL.COM Check our web site for current pricing and monthly specials: www.wkintl.com

intel inside pentium

STORE HOURS:
MON-FRI 9-6
SAT 10-4
Come visit our exciting Showroom Today!
MasterCard & Visa accepted.

Product Announcements *continued...*



antine or "sand box" system places downloadables into a sterile environment, isolated from the rest of the hard drive, where they can be opened without risk of damage or infection to the computer. Available for Windows 95 and NT. ($49) eSafe Technologies. 1-800-477-5177. Email: *info@esafe.com* , URL: *http://www.esafe.com* .

SeeMail 3.0

Fully compatible with Windows- and Macintosh-enabled video cameras and sound cards, SeeMail 3.0 allows even novice email users to create and import any combination of audio messaging, still pictures or video, and send them as attachments via MAPI-compliant email applications. With SeeMail 3.0, multimedia email messages can be sent to and viewed by anyone with an email application. No plug-in or add-on software is needed to receive or open a SeeMail. It is also fully compatible with any email program, including American Online. ($29.95) RealMedia, Inc., 1020 Gale Ave., Boulder, CO 80308. (303)494-2743, 1-800-287-5610. URL: *http://www.realmediainc.com* .

FireSock 1.0

Trumpet's FireSock provides a software solution for connecting multiple users in any small office/home office (SOHO) local area network (LAN) workgroup environment to the Internet via a single modem. FireSock is installed at the system level gateway with modem access. Other clients in the workgroup must be running TCP/IP to be supported. It can work with almost any client note, including PCs, Macs, and UNIX systems. Developed for computing environments with one IP address, FireSock forwards packets between the modem and network interfaces with address translation. In workgroups with several real IP addresses,

$39.95* Guaranteed!

- Registration of Domain Name with InterNIC
- Free Home Page Now!
- Free E-mail Now! E-mail forwarding
- Primary and Secondary Serving
- No Charge for Resubmissions

* InterNIC Fee: The InterNIC is the organization set up by the US Government to administer all .com, .net, and .org domain names. Their fee is $100.00, which covers 2 years of maintenance. We're one of only 28 companies in the world that gets preferred processing with InterNIC. This bill is mailed to you around 20 days after your domain name is confirmed. After 2 years InterNIC will bill you $50.00/yr. Everyone must pay the InterNIC fee.

No Set-up Fee & FREE Hosting

NetCorps Announces
FrontPage98 Web-Hosting Beta Program

Register your domain name now!

Domain names are going at over 165,000 per month. By tomorrow yours may be gone! If you don't use your domain name now, save it for later.

Corporate Services

"Protect your name overseas!" We can register your domain name with foreign domains. Spend hundreds now to save thousands in IP lawsuits later!

InterNIC Premier Partner

Means we can provide immediate solutions to your InterNIC Domain Name needs.

Without a domain name, your e-mail address would look something like: yourcompany25343@aol.com
and your Web site would look like: www.aol.com/~yourcompany/home.html

With a domain name, your e-mail address could be: you@yourcompany.com
and your Web site would look like: www.yourcompany.com

Microsoft® FrontPage98

- Virtual Domain Hosting
- 25MB of Disk Storage
- Unlimited Updates
- E-Mail Fowarding
- CGI Capabilities

These features are for Beta only. Users may upgrade to Full-Featured Web-Hosting when FrontPage98 Service becomes available.

Satisfied customers include the following worldwide corporations:
Ford • Oracle • Calvin Klein • Jaguar • Austin Martin
Baxter Healthcare • Chrysler

Alldomains.com/NetCorps 1-800-561-5131
FAX: (510) 685-9620
Alldomains.com is a division of NetCorps
Other Services: Web Hosting • Corporate Domain Services • URL: www.alldomains.com • E-mail: sales@alldomains.com

WHY BUY FROM ANYONE ELSE...WHEN YOU CAN BUY FROM THE BEST—
UNIVERSAL COMPUTER PRODUCTS

FREE mouse pad with mouse purchase

1-YEAR PARTS/ 1-YEAR LABOR WARRANTY ON ALL SYSTEMS

Pentium® II Processor and PCI System w/512K Cache

- 32MB EDO RAM
- Teac 1.44MB 3.5" Floppy Drive
- 4.3GB IDE Hard Drive
- 2 Serial, 1 Parallel
- 17" SVGA Monitor .28dp NI
- PCI VGA Card w/2MB
- ATX Medium Tower Case
- 104 Enhanced Keyboard
- Windows 95
- Logitech PS2 Mouse w/Pad
- 24X CD-ROM Drive
- 16-Bit Sound & Speakers
- Supra 56K Int. Fax Modem

233MMX.....$1865
266MMX.....$1995
300MMX.....$2195

Pentium® Processor and PCI System w/512K Cache

- 32MB EDO RAM
- Teac 1.44MB 3.5" Floppy Drive
- 1.7GB IDE Hard Drive
- 2 Serial, 1 Parallel
- 14" SVGA Monitor .28dp NI
- PCI VGA Card w/1MB
- Medium Tower Case
- 104 Enhanced Keyboard
- Windows 95
- Serial Mouse w/Pad
- 16X CD-ROM Drive
- 16-Bit Sound Card
- Stereo Speakers
- Supra 56K Int. Fax Modem

133MHz $1100
166MHz $1135
166MMX $1160
200MMX $1225
233MMX $1315

REPAIR & UPGRADE SERVICES

ON IBM & IBM COMPATIBLES

- FULL SERVICE
- NO APPOINTMENT NECESSARY
- SAME DAY TURNAROUND
- COMPETITIVE RATES
- EXPERIENCED TECHNICIAN FOR OVER 10 YEARS
- COURTEOUS SERVICE

ADD-ON BOARDS

Parallel Port	$20
NCL 538 Controller	$50
NCL 539 Controller	$50
Matrox Millennium II w/4MB	$195
Matrox Mystique 220 w/4MB	$159
Trident PCI VGA Card w/1MB	$39
Diamond Stealth PCI VGA Card w/1MB	$60
Diamond Stealth 3D PCI VGA Card w/2MB	$75
Diamond Stealth PCI VGA w/2MB VRAM	$99
Adaptec 2940U PCI SCSI Controller	$185
Adaptec 3940U PCI SCSI Controller	$Call
SMC 8432T PCI Network Card	$85
SMC 8432BT Combo PCI Network Card	$99
SMC 10/100 9332BDT PCI Network Card	$99
Intel Pro/100 PILA8465B PCI Network Card	$79
3Com 3C905TX PCI Network Card	$79
3Com 3C900 Combo PCI Network Card	$99
3Com 590CB ISA Network Card	$60
NE2000 ISA Network Card	$39
NE2000 PCI Network Card	$49
Toner KX-P450	$39.95
Toner KX-P453	$38.95
Toner KX-P451	$39.95

CASES AND POWER SUPPLY

Desktop Case w/250W Power Supply	$65
Mini-Tower Case w/250W Power Supply	$65
Med-Tower Case w/250W Power Supply	$75
Full-Tower Case w/250W Power Supply	$110
ATX Case Med-Tower Case w/230W Power Supply	$95
ATX Case Full-Tower Case w/230W Power Supply	$119
250W UL Power Supply	$45
300W UL Power Supply	$69
230W Tower Power Supply	$69

MODEMS

Sportster 33.6 Int. Fax Modem	$110
Sportster 33.6 Ext. Fax Modem	$145
Sportster 56K Int. Fax Modem	$185
Sportster 56K Ext. Fax Modem	$205
Diamond Supra 33.6 Int. Fax/Modem	$79
Diamond Supra 56K Int. Fax/Modem	$119
Diamond Supra 56K Ext. Fax/Modem	$149

CD-ROMS

8X CD-ROM Drive	$75
16X CD-ROM Drive	$85
24X CD-ROM Drive	$99
Creative Labs 16-Bit Sound Card	$60
Creative Labs AW64 Value	$105
Creative Labs AW 64 Gold	$195
ESS 16-Bit PnP Sound Card	$39
Stereo Speakers	$20
Midi Kit	$49

KEYBOARDS

Mitsumi 101 Keyboard	$30
Chicony Ergonomic Keyboard	$49
Chicony KB5981 Click Keyboard	$33
Focus 2001 Click Keyboard	$35
Keytronic Keyboard	$30

MEMORY CHIPS

DRAM	
256K-8/10	$Call
256Kx4-8	$Call
64K-10	$Call
SIMM	
4MBx9-7	$Call
1MBx9-7/8	$Call
1MBx3-7/8	$Call
4MB 72-Pin 1x32 70ns	$Call
8MB 72-Pin 2x32 70ns	$Call
16MB 72-Pin 4x32 70ns	$Call
EDO Memory 1x32/2x32/4x32/8x32	$Call

MONITORS

NEC 15/17" SVGA Monitor	$Call
14" SVGA Monitor 1024x768 .28dp NI	$175
15" SVGA Monitor 1280x1024 .28dp NI	$259
17" SVGA Monitor 1280x1024 .28dp NI	$Call

MOTHERBOARDS

486DX4 133MHz PCI MB w/256K	$Call
133MHz Pentium® PCI MB w/512K Cache	$Call
166MMX Pentium® PCI MB w/512K Cache	$Call
200MMX Pentium® PCI MB w/512K Cache	$Call
233MMX Pentium® PCI MB w/512K Cache	$Call

HARD DRIVES

FUJITSU	
M1636TAU 1.2GB IDE	$145
M1623TAU 1.7GB IDE	$159
MPA 3026AT 2.6GB IDE	$185
MPA 3035AT 3.5GB IDE	$209
MPA 3043AT 4.3GB IDE	$259
MPA 3052AT 5.2GB IDE	$299
SEAGATE	
ST31720A 1.7GB IDE	$165
ST52520A 2.5GB IDE	$195
WESTERN DIGITAL	
AC22100 2.0GB IDE	$185
AC33100 3.1GB IDE	$259
AC34000 4.0GB IDE	$279
MAXTOR	
6.4GB IDE Hard Drive	$339
7.0GB IDE Hard Drive	$365

TAPE BACKUPS

HP Colorado T3000 3.2GB Int.	$190
Seagate STT23200F-R 3.2GB Int.	$159
Seagate STT63200P-R 3.2GB Ext.	$195
Seagate TST8000R-ABET DDS 8GB Int.	$309
Seagate TST8000R-SBET DDS 8GB Ext.	$359

MICE

Trackball	$89
Logitech Serial Mouseman	$49.95
Microsoft Bus Mouse	$89
Microsoft Serial Mouse	$69
DEXXA Mouse	$18
Mouse Systems A3 Mouse for Mac	$50
Mouse Systems A3 Trackball for Mac	$50

PRINTER RIBBONS & DATA CARTRIDGES ARE AVAILABLE
COAX & TWISTED CABLES ARE AVAILABLE

UNIVERSAL COMPUTER PRODUCTS

951 El Camino Real, South San Francisco, CA 94080

(650) 583-9736 Fax (650) 583-3457

Mon-Fri: 9am-6pm Sat: 10am-5pm

Prices subject to change w/o notice • Not responsible for misprints
Pentium is a registered trademark of Intel Corporation.

VISA MasterCard DISCOVER

(Inside Fairway Plaza)

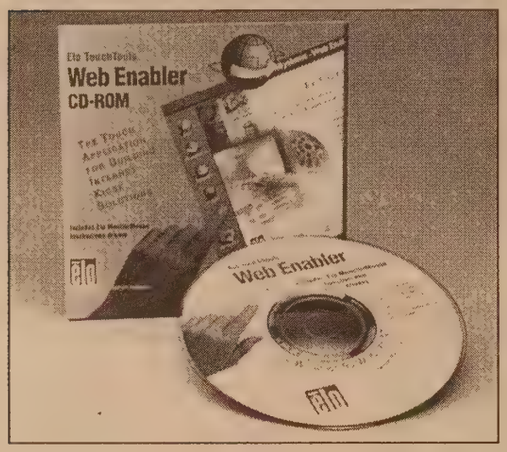
Clockwise from top: Surf Monkey from Bandai Digital Entertainment; IBM Aptiva E Series computer; CameraConnect from ActionTec Inc.; Web Enabler from Elo TouchSystems, Inc.

Product Announcements *continued...*

FireSock forwards all packets—unchanged—to the required host. Multiple routes can be added, with two interfaces being supported at the same time. ($50 for two users; $99 for five users; $130 for ten users; and $180 for a twenty-user license) Trumpet Software International, 21660 E. Copley Dr., Ste. 340, Diamond Bar, CA 91765. (909)861-4400. URL: *http://www.trumpet.com* .

Web Enabler

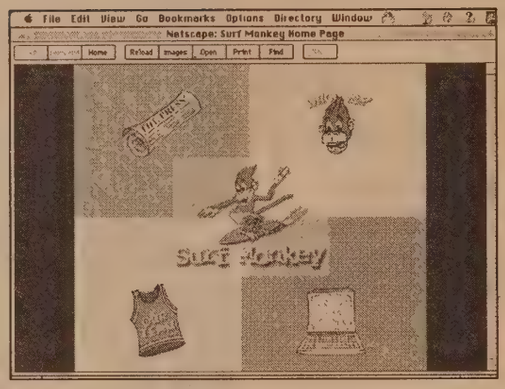
Web Enabler, a 32-bit, self-contained Windows 95/NT application, converts your Web browser into a kiosk application.



Designed as an overlay to Netscape Navigator or Microsoft Internet Explorer, the Web Enabler allows users to replace the browser function controls with easy-to-use, customizable control panels. In addition, when combined with an Elo TouchSystems touchscreen, you are able to surf the Web using your fingers to navigate. It can be used to create a standalone kiosk Web site with information residing on a local hard disk, or to operate in combination of local and remote access with dial-on-demand capability. Additional programs or video clips can be run when Web Enabler is idle. Other uses include: the ability to send/receive email on screen; the printing of Web information; and extensive logging capability, allowing owners to view what features the users are accessing. ($295) Elo TouchSystems, Inc., 41752 Christy St., Fremont, CA 94538. (510)651-2340, 1-800-356-8682. URL: *http://www.elotouch.com* .

Surf Monkey

Surf Monkey lets kids ages 6–14 enjoy Web sites and chat rooms under the scrutiny of parental protection—even email is monitored for inappropriate content. As a front-end for Microsoft's Internet Explorer 4.0, Surf Monkey puts a loveable and hyperactive monkey at the helm of a spaceship as you surf the Web. The cockpit of the spaceship is the sign-on screen and point of entry into the Internet, where over-sized controls let kids easily navigate to their destination. The 3-D spaceship is loaded with gadgets and devices that do fun things such as blow away screens and shatter them into thousands of pieces. Microsoft Chat and Chat Control Server are blended together seamlessly with Comic Chat components to give kids a fun and safe chat capability. ($24.95, available as a download through Bandai's Surf Monkey Web site at *http://www.surfmonkey.com*) Bandai Digital Entertainment, 5551 Katella Ave., Cypress, CA 90630. (714)816-9700. URL: *http://www.bdec.com* .



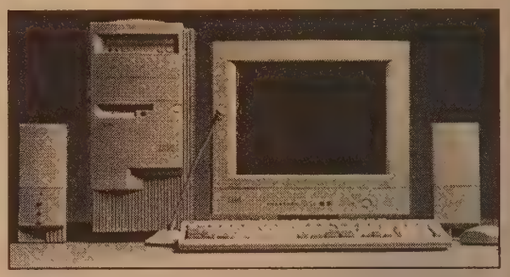
TELEform Internet Solution

Optimized for Windows 95 and NT, TELEform Internet Solution automates the process of creating and distributing HTML-based forms, as well as collecting HTML-based information. TELEform documents and existing forms are automatically converted into HTML forms and placed on the Internet or intranet to be filled out by anyone with a Web browser. The TELEform Reader converts completed forms into the appropriate database language and automatically transmits the data directly into any ASCII file, ODBC-compliant database, or spreadsheet. Companies no longer need to spend time writing and testing CGI script or re-keying information received via Internet/intranet forms. TELEform Internet Solution eliminates unnecessary redundancy, shortens turn-around times, and increases accuracy, while reducing costs. ($4,995) Cardiff Software, Inc., 1782 La Costa Meadows Dr., San Marcos, CA 92069. 1-800-659-8755. URL: *http://www.cardiffsw.com* .

PC Hardware

Aptiva E Series

The IBM Aptiva E Series is priced to meet the needs of the value-conscious individual, but does not compromise on multimedia excitement. Featuring processors with MMX technology, 3-D graphics acceleration, and a dedicated audio processor, the E Series delivers a full 3-D

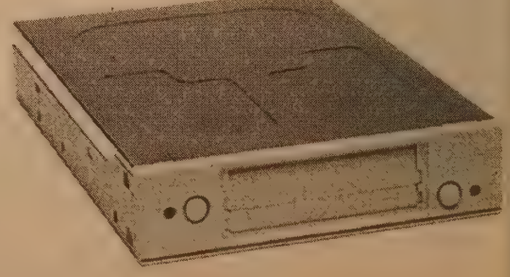


experience not found on most other systems in its price range. It is available with an optional 14", 15", or 17" monitor. Continuing through March 1, 1998, any IBM Aptiva purchase will come with a fee-waived, $100 one-year membership to IBM's new Owner Privileges program, which delivers benefits in four key areas: service, protection, discount, and advice. Within these four areas, IBM provides users with preferred service, special deals on accessories and software, as well as advice and information on training. ($1199–1699) IBM Corp., Route 100, Somers, NY 10589. URL: *http://www.pc.ibm.com* .

CameraConnect

With CameraConnect, mobile professionals and digital photographers can access digital files stored in PC Cards of compact flash cards using their desktop system. This external PC Card (PCMCIA) and compact flash reader connects to the parallel port of any desktop computer for fast, simple installation, and does not require any external AC power. Cards may be "hot-swapped"—inserted and removed without shutting down the system. It is compatible with

continued on page 167



SOLD
Powered Stereo Speakers
Sold for $4
$4!
SOLD
1.3 Gig Hard Drive
Sold for $75
$75!
SOLD
12X Multi Media CD-ROM
with Sound Card, Speakers,
Software, and 10 CDs
Sold for $90
$90!
SOLD
Fast Ethernet Hub
Sold for $225
$225!
Live online auction on the Web! Check it out: www.instantauction.com
Name your price. Get it now.

CENTRAL
COMPUTER SYSTEMS, INC.

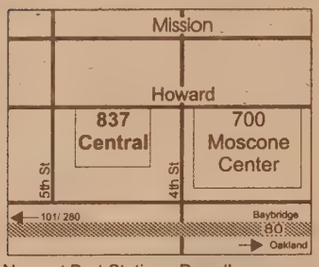
WIDE SELECTION AT LOW PRICES

since 1986

OPEN 7 DAYS!

Mon - Fri : 9AM - 7:30PM
Sat - Sun : 10:30AM - 6PM

Next Block from Moscone



Nearest Bart Station - Powell
Nearest Muni Lines - 9X, 12, 27, 30, 42, 76
From CalTrain/ Amtrak - 5 blocks North
From Transbay Terminal - 3 blocks West
From Freeway 101 - 4th St Exit

Web Page http://www.centralcomputer.com

SAN FRANCISCO

837 Howard Street
San Francisco, CA 94103

TEL: (415) 495-5888
FAX: (415) 896-5888

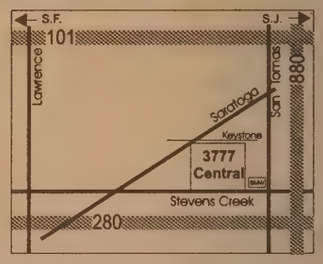
Email : ccsf@centralcomputer.com
** 1 hr. validated parking w. purchase at Mission & 5th Garage **

SANTA CLARA

3777 Stevens Creek Blvd.
Santa Clara, CA 95051

TEL: (408) 248-5888
FAX: (408) 241-0390

Email : central@centralcomputer.com
or CentOn@aol.com



From 101 - San Tomas Exit (4 miles)
From 280 - Saratoga-Santa Clara Exit (1 mile)
From 880 - Stevens Creek Exit (2 miles)
** Parking & Entrance at Rear **

CENTRAL PC SYSTEMS

Our Systems Are "Built To Suit"

Central Server Series

MID-SIZE SERVER with DISK DUPLEXING

- **Intel Pentium® II Processor**
- **Asus P2L97S Pentium II** Motherboard
- **64MB ECC SDRAM Memory** (8x72 10ns)
- **2 X IBM DCAS-34330 4.3GB** UW SCSI HDD
  Only 4.3GB Available After Disk Duplexing
- Sony CDU-511 16X IDE CD-ROM Drive
- Teac 1.44MB FDD
- GT 312 Full-Tower ATX Case
- **2 X Adaptec 2940UW** SCSI Controllers
- **Matrox Mystique 2MB SGRAM** PCI
- **3COM 3C905TX 10/100 PCI**
- **Microsoft Windows NT Server 4.0 with 5 Client Licenses**
- Windows 95 Keyboard & MS Mouse
- **Monitor not included**

OPTIONS:
1. HP T-4000 SCSI Tape-Backup Drive 4-8 GB, add $355
2. Upgrade to 128MB ECC Memory (2 of 8X72 60ns) add $325
3. Software / Hardware RAID 5 Available

266MHz Pentium® II $3239

Central SOHO Series

- **32MB EDO RAM, 512k Cache**
- **ASUS P55T2P4**, w/ 430HX Chipset
- **Western Digital 3.2GB** EIDE HDD
- 16X Max CD-ROM Drive
- Teac 1.44MB FDD
- **Diamond 3D 2000 4MB PCI**
- **Sound Blaster 16 PnP**
- **US Robotics Sportser 56K Int Modem**
- SD202 Multimedia Speakers
- Keytronic 104 Keyboard
- **Microsoft Serial Mouse** w/ Pad
- **Microsoft Windows 95 CD**
- #3 IWG500 AT Mid-Tower Case
- **Monitor not included**

AMD K6-166 w/ MMX™ **$1169**

200MHz Pentium® w/ MMX™ **$1279**

Central Home Series

- **Intel Pentium® MMX Processor**
- **16MB EDO RAM**, 512k Pipeline
- **Fujitsu 1.7GB EIDE HDD**
- 16X max CD-ROM Drive
- Teac 1.44MB FDD
- **Diamond 2500 2MB PCI**
- J-Bond Yamaha OPL-3 Sound
- 33.6 Internal Fax/Modem
- SP2 Multimeida Speakers
- Mitsumi ZW Keyboard
- **Microsoft Serial Mouse** w/ Pad
- **Microsoft Windows 95 CD**
- #3 IWG500 Mid-Tower Case
- **Monitor not included**

166MHz Pentium® MMX **$849**

200MHz Pentium® MMX **$959**

MONITOR

HITACHI *SuperScan* Monitors

CM500U
15" (13.7" Viewable Size)
Max Resolution 1280x1024 @ 65Hz
Flat Screen, Non-Interlace, MPRII
$280*

CM620U
17" (15.9" Viewable Size) .28
Max Resolution 1280x1024 @ 60Hz
Flat Screen, Non-Interlace, MPRII
$530*

CM751
19" Monitor .26
Max Resolution 1600x1280 @ 75Hz
Flat Screen, Non-Interlace, MPRII
$999*

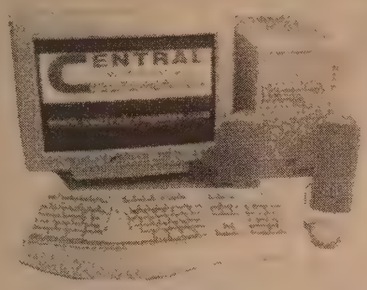
*Advertised price reflect special discount given with the purchase of any Central systems. Previous purchase excluded.

VISA · AMERICAN EXPRESS · DISCOVER · MasterCard · **P.O.**

- No surcharge for Visa, MC, Discover, & Amex
- Reseller and quantity pricing available
- Government, Educational Institution & Corporate Purchase Orders WELCOME

~ Prices subject to change w/o notice and to stock on hand. Not responsible for typographical errors

Central Power Series II



Picture Does Not Represent Exact System Configuration

- **Intel Pentium® II** Processor with MMX Technology
- **64MB EDO RAM**
- **Intel Portland** ATX w/ Two **USB**
- **Western Digital 4.3GB** EIDE HDD
- 16X max CD-ROM Drive, Teac 1.44MB FDD
- **Number 9 Revolution 3D 128 4MB PCI**
- **Sound Blaster AWE64** Value
- 33.6 Internal Fax/Modem
- **Microsoft Windows 95** CD
- **Yamaha M7** Multimedia Speakers
- Keytronic PS/2 Keyboard / MS PS/2 Mouse
- ATX #A2 Mid-Tower Case w/ 235W Power Supply
- **Monitor not included**

Pentium® II 300 MHz **$2109**

266MHz Pentium® II **$1869**

Central Value Series

- AMD / Cyrix Processor
- **16MB EDO RAM, 512k Pipeline**
- J-Bond 500c-H4 Motherboard
- **Fujitsu 1.7GB EDIE HDD**
- 16X max CD-ROM Drive
- Teac 1.44MB FDD
- Diamond 2500 2MB PCI
- J-Bond Yamaha OPL-3 Sound
- Mitsumi ZW Keyboard
- Microsoft Serial Mouse w/ Pad
- Mini Multimedia Speakers 4W
- **Microsoft Windows 95 CD**
- Mini Tower Case w/ 230W
- **Monitor not included**

133MHz AMD K5 **$679**

166MHz Cyrix 6x86L+ **$699**

166MHz AMD K5 **$699**

200MHz Cyrix 6x86L+ **$709**

Central Business Series

- **AMD K6 Processor w/ MMX™ Technology**
- **32MB SDRAM** 10ns, **512k Pipeline** Burst SRAM
- FIC PT-2011 ATX, 430TX chipset, w/ USB
- **Western Digital 4.3GB** EIDE HDD
- **24X max CD-ROM Drive**, Teac 1.44MB FDD
- **Matrox Millennium II 4MB** or **ATI XPERT@Work 4MB**
- J-Bond 16bit, Yamaha OPL-3 sound
- 33.6 Internal Fax/ Modem
- ATX #A2 Mid-Tower Case w/ 230W
- Keytronic PS/2 104 Keyboard
- **Microsoft PS/2 Mouse** w/ Pad
- **Microsoft Windows 95 CD**
- SD202 Multimedia Speakers
- **Monitor not included**

AMD K6-233 w/ MMX™ **$1429**

AMD K6-200 w/ MMX™ **$1219**

AMD K6 MMX™ ENHANCED PROCESSOR

Central Graphic Series II

- **32MB SDRAM** 10ns, **512k** Pipeline
- **Intel Anchorage ATX** Motherboard w/ **USB**
- **Quantum 6.4 GB** IDE HDD
- 16X max CD-ROM, Teac 1.44MB FDD
- **Matrox Millennium II 4MB or XPERT@Work 4MB**
- Vibra 16 / **Yamaha M7** Multimedia Speakers
- 33.6 Internal Fax/Modem
- Keytronic 104 Keyboard / **Microsoft IntelliMouse**
- **Microsoft Windows 95** CD
- **#A2 ATX Mid-Tower Case w/ 235W**
- **Monitor not included**

200MHz Pentium® MMX **$1419**

233MHz Pentium® MMX **$1509**

Happy Thanksgiving Happy Thanksgiving Happy Thanksgiving Happy Thanksgiving Happy Thanksgiving

Bundles

- Microsoft Bundle #1 (Home) . . add $39 (Encarta '97, Works 4.0, Money)
- Microsoft Bundle #2 (Sports) . . add $24 (Flight Simulation 5.1, Complete Basball, Golf 3.0)
- Microsoft Bundle #3 (Kids) . . . Add $34 (Creative Writer, Explorapedia, Magic School Bus)
- Microsoft Office 97 Small Business Edition (with complete manuals and CD) and Microsoft Works / Money . Add $249

Academic Office Suite: (Current Student ID Required)

- Microsoft Office 97 Standard . . . add $145
- Microsoft Office 97 Pro . . . . . Add $189

Note: Add $20 for pre-load / installation

Tech. Services

- System Diagnosing
- Onsite Repairs
- Printer / Monitor Repairs

Installation:

Primary (1st) HDD	$20
Secondary (2nd) HDD	$30
Memory	$15
Modem	$30
CD-ROM Drive	$20
Tape BackUp Drive	$20
Other Hardware	$30/hr
Software	$30/hr

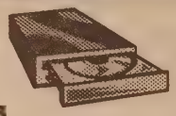
MMX is a trademark and Pentium is a registed trademark of Intel Corporation

*(sale price) . . . . SPECIALS , limited to stock on hand
Prices subject to change without notice.

http://www.centralcomputer.com for current prices & catalog

HARDWARE

1. CD DRIVES & SOUND



ADDONICS
- 12X Parallel Port CD Rom w. Sound ... 315
- 20X Max Pocket CD Drive PCMCIA ... 315
- 20X Pocket Parallel Port ... 275
- 24X External CD Drive ... 279

CREATIVE LABS
- Midi Kit + Software ... 65
- Sound Blaster 16 PnP (w/o IDE) ... 49
- *Sound Blaster 64 AWE Gold ... *(168) 179*
- Sound Blaster 64 AWE / Value Pak ... 79/*(85)

DIAMOND
- DVD Drive IDE w. Kit reg ... 339

MITSUMI
- FX800S 8X IDE Int ... 65
- FX1402S2 16X IDE Int ... 75
- FX240S 24X IDE Int ... 85

NEC
- CDR-1610 16X SCSI Int oem ... 99
- CDR-1800 24X IDE Int oem ... 85
- *Multispin 6X Int 4-CD Rom Changer oem ... *(85)*

Pioneer
- DR511 24X IDE Int ... 85
- DVD101 IDE Int ... 189
- DVD301 SCSI Int ... 279

PLEXTOR
- PX-12CSi 12X SCSI Int (Caddy) ... 239
- PX-20X SCSI Int (Tray) ... 199

SAMSUNG
- SCR-2431 24X IDE Int ... 85

SONY
- CDU-511 16X IDE Int ... 85
- CDU-611 24X IDE Int ... 89
- PRD-650 Portable 6X w. PCMCIA Kit ... 315

TEAC
- CD524E 24X IDE Int ... 89
- CD516S 16X SCSI Int ... 115

TOSHIBA
- DVD Drive IDE w. Kit oem ... 359
- 5701 12X SCSI Int ... 105
- XM6102B 24X IDE Int ... 89

TURTLE BEACH
- Multi-Sound Fiji 20-bit / w. Digital I/O ... 275/329
- Multi-Sound Pinacle 20-bit / w. Digital I/O ... 375/425
- Tropez Sound 32 Voice ... 145
- Wave Table Sound 32 ... 99

OTHERS
- CD Caddy ... 3.99
- CD Jewel Case for 1 / 2 / 3-CD ... 0.45/0.65/0.55
- CD Wetsuit for 12 / 24-CD (by Kensington) 9.95/13.95
- Decoder Card ... 129
- ESS 16 IDE 3D Sound Card ... 29
- Gravis Ultrasound Plug & Play ... 135
- Gravis Ultrasound Pro, PnP ... 175
- J-Bond MF-719 Yamaha 3D 32 ... 29
- *Television: Telesound EX16 IDE ... *(68)*

WRITABLE CD DRIVES:
- Adaptec Easy CD Creator Deluxe Software ... 89
- Elektroson Gear CD Creator Software ... 95
- HP C7110i Surestore 6X/2X Parallel Int ... 399
- HP C7110e Surestore 6X/2X Parallel Ext ... 499
- Phillips Omniwriter Rewritable 6X/2X Int, oem / reg ... 459/499
- Ricoh Rewritable 6X/2X SCSI Int ($100 Rebate) .. 545
- Yamaha CDR-400 6X/4X Int / Ext ... 479/569

- 3M or Sony CDR 74 min. / 10-pk ... 4.95/47
- HP Rewritable CDRW (C4431) ... 19.95
- Kodak CDR 74min. / 10-pk / 25-pk ... 3.99/38/85
- Pioneer or Tradata CDR 74 min. / 10-pk ... 4.50/43
- Ricoh CDRW 74 min. ... 17.95
- TDK CDR 74 min. / 10-pk ... 4.50/43

SPEAKERS:
- Active 85 Hi-Fi Amplier Speakers (100W) ... 39
- Active SP-690 Amplier Speakers ... 33
- Altec ACS45 w. Sub-Woofer ... 79
- Altec ACS51 / ACS52 / ACS53 ... 65/85/125
- Altec ACS150 / ACS500 ... 99/295
- Labtec Stereo LCS-150 / LCS-600 ... 18.95/24.95
- Labtec 1002 (10W) ... 49
- Labtec 1224 Space Server 3D Stereo (10W) ... 49
- *MLF-CP55 Mini Speakers (4W) ... *(4.99)*
- *Yamaha YST-M7 (5W) ... *(39) 45*
- *Yamaha YST-M15 ... *(59) 69*
- Yamaha Systems (45W) ... 169

SPECIALS
- *HM2: Headset w. volume control ... *(9.95) 11.95*
- *KC3: Headphone + Microphone ... *(6.95) 8.95*
- *MC1: Pocket Size Microphone ... *(5.95) 7.95*
- MC2: Condensed Microphone ... 9.95
- SD202: Full Range Speakers, 120W ... 24.95
- *SD322: Sub-Woofer ... *(39.95)*
- *SD688: Deluxe 3D Surround 360W ... *(49.95)*
- SD880: Amplified Stereo Speakers 200W ... 29.95
- SD980: 3-way Speakers 180W ... 39.95
- SP2: Supreme Sound Speakers + KC1 ... 19.99

Resellers CALL for wholesale prices!

2. CASES

- #1: Baby AT w. 230W Power ... 39
- #2: Baby Tower w. 230W Power ... 29
- #3: IWG500 Mid Tower w. 230W Power ... 59
- #4: Mid Tower w. 250W Power ... 39
- #5: CF-8502A Mid Tower, 250W, Open Side ... 69
- #6: GT212 Mid Tower, 250W, Open Side, 2 Fans, White ... 105
- #7: GT210 Mid Tower, 250W, Black ... 109
- #8: Full Tower w. 250W Power, 2 Fans ... 85
- #9: CF-8501S Full Tower, 250W, Open Side ... 89
- #10: KS-A5561 Full Tower, 250W, Slide Open, 2 Fans ... 115
- #11: Full Tower, 300W, w. Wheels ... 149
- #12: GT312 Full Tower, 300W, Open Side, 2 Fans, 8 Bay Slots, PS/2 Power, White ... 149
- #14: Mini Tower w. 250W Power ... 47
- #15: Mid Tower w. IDE Mobile Rack ... 65
- #16: 701D Mini Tower w. 230W Power ... 39
- #17: 668A Full Tower w. 250W Power ... 69
- #18: 668B Mid Tower w. 250W Power ... 55
- #19: 668C Mini Tower w. 230W Power ... 39
- #20: Mini Tower w. 230W Power ... 47
- #A1: ATX CF-8502A Mid Tower, 235W, Open Side 79
- #A2: ATX Mini-mid Tower, 230W Power ... 79
- #A4: ATX T5 Mid Tower, 235W, Slide Open ... 79
- #A5: ATX CF-8501S Full Tower, 250W, Open Side . 99
- #A6: ATX GT-232XC Mid Tower, 235W ... 119
- #A7: ATX GT-312 Full Tower, 250W ... 145
- #A8: ATX PC-268A Desktop, 235W ... 75
- #A9: ATX PC-968A Mid Tower, 235W ... 79
- #A10: ATX PC-768A Full Tower, 250W ... 99
- #A12: ATX 668B Mid Tower, 230W ... 79
- #A13: ATX 668A Full Tower, 250W ... 95

HDD EXTERNAL CASING:
- 3.5" HD External Casing ... 49
- 5.25" or CD Rom External Casing ... 51
- 1 half ht, 3.5", parallel ... 65
- 1 half ht, 50W, SCSI-2 / Wide-SCSI ... 65/69
- 2 half ht or 1 full ht, 80W, w. SCSI cable ... 75
- 2 half ht or 1 full ht, 80W, SCSI-2 / SCSI-3 ... 99/105
- 4 half ht or 2 full ht, 200W, w. cable ... 99
- 4 half ht or 2 full ht, 200W, SCSI-3, w. cable ... 129
- 8 half ht or 4 full ht, 250W / SCSI-3 ... 195/255
- CDR Box, IDE, Parallel ... 59
- PD-250 Para Disk, 2.5" IDE Kit, Carrying Bag ... 57

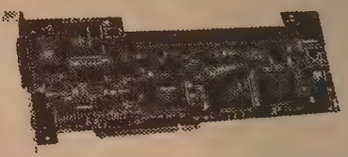
ANTEC
- KS-011+RPP3002: 19 Bay Server (9 front, 10 int. bay) 300W, Hot Swap + Redundant P/S, 2 Fans ... 569
- KS-011+RPT600: 19 Bay File Server (9 front, 10 int. bay) 300W, Redundant Vertical AT P/S, 2 Fans ... 459

SUPERMICRO
- 750A: Full Tower, 300W Power, ATX ... 205
- 750S: Full Tower w. 300W / 400W ... 195/235

3. CONTROLLERS

Adaptec
- 2940 SCSI PCI w. Kit oem ... 189
- 2940U SCSI PCI w. Kit oem / reg ... 205/249
- 2940UW Ultra-Wide-SCSI PCI Kit oem / reg .. 245/289
- AAA-131 Raid Single Channel ... 445
- AAA-133 Raid 3 Channel ... 689
- AHA3940 PCI Multi-Channel SCSI ... 399

initio
I/O BAHN
INI-9520U & INI-9520UW



NEW! Introductory Offer...

Dual Ultra SCSI & 10/100 Ethernet in ONE!

PCI-Ultra/UltraWide w/SCSI Dual Channel Bus Master & Ethernet

INI-9520U: $285. | INI-9520UW: $335.

SPECIAL! INI-9100 PCI-SCSI Bus Master Host Adapter $69. (reg. $119)

We Bring Innovative Solutions to Your I/O Needs.

- AHA3940UW Ultra-Wide-SCSI w. Kit ... 479
- *APA1460 Slim PCMCIA SCSI ... *(159)*
- ASW-EZ SCSI 3.1 for Dos & Win ... 59
- ASW-EZ SCSI 4.0 for Win'95 ... 69

ADVANSYS
- ABP5140 SCSI-2 ISA 8Mb/s ... 115
- ABP930 Ultra SCSI PCI 20Mb/s ... 135

ASUS
- AS300UW SCSI PCI & 16-bit audio adapter ... 215
- SC200 SCSI-2 PCI w. NCR chips ... 79

COREL
- Corel SCSI Software v2.5 ... 85

DIAMOND
- Fire Port 40 Ultra SCSI PCI ... 159

KOUWELL
- KW557A IDE/ 1.44/ 2S (FIFD)/ ECP/ 1G ... 25

LDP (LOMAS DATA)
- *Fast SCSI-2 PCI 10Mb/s ... *(99)*
- *Fast PCI 20, Ultra-Wide-SCSI 40Mb/s ... *(195)*

NEW MEDIA
- Basic SCSI DB25 PCMCIA ... 99
- Bustoaster SCSI-2 PCMCIA ... 165

SIIG (5YR. WARRANTY)
- CN2419 EIDE/ 4HD/ 2FD/ 16-bit ISA ... 59
- CN2420 EIDE/ 4HD/ 16-bit ISA ... 39
- CN2424 EIDE/ 4HD/ 2FD/ 2S 1P 1G/ 16550/ IEEE1284 79

OTHERS
- PROMISE EIDE 2300+ IDE/ 4HD/ 2S 1P/ 16550 ... 59
- WESTERN DIGITAL Fast SCSI-2 PCI 10Mb/s ... 79

4. CPU

AMD
- AMD-K5-133 / AMD-K5-166 ... 85/105
- AMD-K6-166 / AMD-K6-200 ... 139/189
- AMD-K6-233 ... 379

Cyrix (W. FAN)
- 6x86-P166+ (2.8V), boxed version ... 89
- 6x86L-P200+ (2.8V), boxed version ... 99
- 6x86MX-P166 / boxed version ... 119/139
- 6x86MX-P200 / boxed version ... 169/189

intel
- MMX-166Mhz Pentium® / w. 3 yr. warranty . 139/139
- MMX-200Mhz Pentium® / w. 3 yr. warranty . 249/249
- MMX-233Mhz Pentium® / w. 3 yr. warranty . 339/339
- P54C-133Mhz Pentium® / w. 3 yr. warranty 99/*(103)
- P54C-150Mhz Pentium® / w. 3 yr. warranty ... 105/105
- P54C-166Mhz Pentium® ... 149
- P54C-200Mhz Pentium® ... 209
- Pentium® Pro 180Mhz w. fan & 256k ... 229
- Pentium® Pro 200Mhz w. fan & 256k ... 519
- Pentium® Pro 180Mhz w. fan, 256k & 3 yr. warr ... 439
- Pentium® Pro 200Mhz w. fan, 256k & 3 yr. warr ... 535
- Pentium® II 233Mhz w. fan / 3 yr warranty .. 449/455
- Pentium® II 266Mhz w. fan / 3 yr warranty ... 595/599
- Pentium® II 300Mhz w. fan & 3 yr warranty ... 839

OverDrive®:
- Pentium® 133Mhz (fr P-60 / 66) ... 199
- Pentium® MMX190Mhz (fr P-90 / 120) ... 235
- Pentium® MMX166Mhz (fr P-100 / 133) ... 215
- Pentium® MMX200Mhz (fr P-100/ 133/ 166) ... 315

OTHERS
- Cooling Fan for 486 CPU ... 4.95
- Cooling Fan for Pentium® processor ... 6.95

5. DIGITIZER

SUMMASKETCH (CALCOMP)
- *III 12x12, 4 or 6 button Cursor or Stylus ... *(249)*
- III Pro 12x18, 4 button Cursor ... 465

WACOM
- *Art Pad II 4x5, w. Erasing Ultra Pen, PC ... *(129)*
- Art Pad II 4x5, w. Erasing Ultra Pen, MAC ... 139
- *Art Pad II 6x8, w. Erasing Ultra Pen, PC ... *(299)*
- *Art Pad II 6x8, w. Fractal Expression, PC ... *(359)*
- Art Pad II 6x8, w. Erasing Ultra Pen, MAC ... 309
- *Art Z II 6x8, w. Fractal Expression ... *(359)*
- Art Z II 12x12, w. Erasing Ultra Pen, PC ... 415
- Art Z II 12x12, for MAC ... 429
- Art Z II 12x12, w. Fractal Expression ... 479
- Art Z II 12x18, w. Erasing Ultra Pen, PC ... 685
- UC-520 4-button Pack ... 45
- UP-201 Pressure Sensitive Stylus ... 49.95
- UP-701E Erasing Ultra Pen ... 64.95
- UP-801EW Erasing Ultra Pen ... 69.95

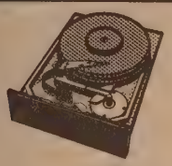
*(sale price) ... SPECIALS, limited to stock on hand
Prices subject to change without notice.

http://www.centralcomputer.com for current prices & product catalog

THANKSGIVING SALE

Happy Thanksgiving

6. DRIVES



One Year Warranty on All Disk Drives

FLOPPY DRIVE:

TEAC
- 1.44MB 3.5" / w. frame 25/29

HARD DRIVE:

FUJITSU
- M3017AT 1.7GB 10ms 128k IDE DMA 135
- M3026AT 2.6GB 10ms 128k IDE DMA 179
- M3035AT 3.5GB 10ms 128k IDE DMA 209
- M3052AT 5.2GB 10ms 128k IDE DMA 299
- M2954QYS 4GB 8ms 512k Ultra-Wide SCSI 629
- M2954SYU 4GB 8ms 512k SCSI-2, 7200rpm 529
- M2949QYS 9GB 10ms 512k Ultra-Wide SCSI 899
- *M2949SYU 9GB 10ms 512k SCSI ..... *(869)*

IBM
- DCAS-32160 2GB 8.5ms UW-SCSI, 5400rpm 249
- DCAS-34330 4.3GB 8.5ms UW-SCSI, 5400rpm 369

KINGSTON
- PCMCIA 260MB IDE, type III 375
- PCMCIA 340MB IDE, type III 445

Quantum SALE

(limit 1 per customer, while supplies last)
- **QM32160ST-S 2GB 10ms 128k SCSI-2 ..... 219**

- ST32160A 2GB 10ms 128k IDE DMA 189
- QM33240ST-A 3.2GB 10ms 128k IDE DMA 215
- QM34320ST-A 4GB 10ms 128k IDE DMA 269
- QM36480ST-A 6.4GB 10ms 128k IDE, 5400rpm .. 345
- Atlas-2 2275S 2.1GB Ultra-Wide SCSI 259
- QM33240ST-S 3.2GB 10ms 128k Ultra SCSI 289
- QM34320ST-S 4.3GB 10ms 128k Ultra SCSI 319
- Atlas-2 4550S 4.5GB 8ms 512k Ultra SCSI 559
- Atlas-2 4550W 4.5GB 8ms 512k UW-SCSI 569
- QM36480ST-S 6.4GB 10ms 128k Ultra SCSI 419
- *VK45W 4.5GB Wide SCSI ..... *(459)*

Seagate
- ST-31277A 1.2GB 12ms 64k IDE, 4500rpm 135
- ST-32122A 2.1GB IDE DMA 179

* 5 year warranty for below drives *
- ST-32272N 2.2GB 9ms Ultra SCSI 349
- ST-32272W 2.2GB 9ms Ultra-Wide SCSI 379
- ST-34501W 4.5GB UW-SCSI, 10,000rpm 699
- ST-34572N 4.5GB 9ms Ultra SCSI 559
- ST-34572W 4.5GB 9ms Ultra-Wide SCSI 569
- ST-19101N 9GB Ultra SCSI, 10,000rpm 1175
- ST-19101W 9GB UW-SCSI, 10,000rpm 1225
- ST-19171N 9GB Ultra SCSI 955
- ST-19171W 9GB Ultra-Wide SCSI 959

SAMSUNG
- WN32543A 2.5GB 10ms 128k IDE DMA 159
- VG33402A 3.4GB 10ms 128k IDE DMA 199

TOSHIBA
- PCMCIA 262MB IDE 425
- MK1401MAV 1.4GB IDE 2.5" 195
- MK2103MAV 2GB 13ms 128k IDE 2.5" 259

WESTERN DIGITAL SALE

(limit 1 per customer, while supplies last)
- **WD-33200 3.2GB 12ms 128k IDE 219**

- WD-21600 1.6GB 10ms 128k IDE 155
- WD-12100 2.1GB 12ms 128k IDE 175
- WDC-AC34300 4.3GB IDE DMA 259
- WDC-AC35100 5.1GB IDE DMA 299
- WDC-AC36400 6.4GB IDE DMA 349
- WDC-E2170 2.17GB Ultra SCSI 349
- WDC-E2170 2.17GB Ultra-Wide SCSI 379
- *WDC-E4360 4.3GB Ultra SCSI ..... *(535)*
- *WDC-E4360 4.3GB Ultra-Wide SCSI ..... *(545)*

REMOVABLE DRIVE:

iomega
- Jaz Disk 1GB - Single / 3-pk / 5-pk 84/250/399
- *Jaz Drive 1GB SCSI Int / Ext ..... *(275/369)*
- Jaz Traveller 45
- Zip Disk 100MB - Single / 3-pk 12.50/36
- 6-pk / 10-pk ..... 70/*(115)
- *Zip Drive 100MB Parallel ..... *(135)*
- Zip Drive 100MB IDE Int oem 99
- Zip Drive 100MB SCSI Int / Ext 145/145
- Zip Zoom SCSI Accelerator Card for Ext 46

SYQUEST
- SyJet 1.5GB IDE Int 289
- SyJet 1.5GB Parallel 299
- SyJet 1.5GB SCSI Int / Ext 289/299
- SyJet Cartridge 1.5GB 85

7. I/O CARDS

ADDONICS (QUICKPATH)
- Flexport 22EX 2S/ 2P/ 16650 95
- Flexport 42 4S/ 2P/ Bi-Dir/ 16550 95
- Portfolio 550E 13 port multi-I/O (4S/ 4FD/ 2P/ 2IDE/ 1G) 125

KOUWELL
- KW508-E Single Parallel Port 12
- KW524-J 2S/ 2P/ 16550 23

SIIG
- Cyberpro 2S Highspeed w. 16650 55
- Cyberpro 4S Highspeed w. 16650 85
- IO1809 2S/ 1P/ 16550 39
- IEEE 1284 EPP/ ECP/ Parallel Port 32

SOCKET COMMUNICATION
- PCMCIA Serial I/O 16550 149
- PCMCIA Dual Serial I/O 215

STB 4-COM
- 4S/ 16-bit/ 16550/ support Com 1-8, IRQ 99

8. KEYBOARD

FOCUS
- FK2001 104 for Win'95 26
- FK7200 104 Trackball 27
- FK8200 124 Key w. calculator 42
- FK9200W 124 Key w. trackball & calculator 45

KEYTRONIC
- 104 Key - White / Black ..... *(24)/39
- 104 Key PS/2 26
- 104 Key PS/2 & AT Combo 28
- LT Touch Pad 85
- Wireless IR Classic 104 58
- Wireless IR Touchpad / Trackball 75/74

Microsoft
- Natural Keyboard oem 55

QTRONIX
- Scorpius 104+ for Win'95 - White / Black 23/24
- Scorpius 105 / w. Trackball 32/49

SIIG
- Minitouch 81 Key, Click 45
- Supertouch 101 Click 53
- W104 for Win'95 29
- Wintouch 104 39

OTHERS
- ANTEC 104 Key - White / Black 18/39
- BTC 5100 Mini 80 Key 29
- EZ Key Natural Keyboard 28.50
- MAXI 101 Key 29
- *MITSUMI 104 Model ZW ..... *(14.50)*

9. MEMORY

DIMM
- 4 x 72 - 60ns, 168-pin (32MB) 199
- 8 x 72 - 60ns, 168-pin (64MB) 389
- 16 x 72 - 60ns, 168-pin (128MB) 639
- Unbuffer SDRAM 2 x 64 - 10ns (16MB) 69
- Unbuffer SDRAM 4 x 64 - 10ns (32MB) 109
- Unbuffer SDRAM 8 x 64 - 10ns (64MB) 319
- Unbuffer SDRAM 16 x 64 - 10ns (128MB) 629
- SDRAM w/ECC 8 x 72 - 10ns (64MB) 349
- SDRAM w/ECC 16 x 72 - 10ns (128MB) 689

SIMM
- 4 x 9 - 60ns (4MB) 25
- 1 x 36 - 60ns, 72-pin (4MB) 35
- 2 x 36 - 60ns, 72-pin (8MB) 59
- 4 x 36 - 60ns, 72-pin (16MB) 79
- 8 x 36 - 60ns, 72-pin (32MB) 149
- 16 x 36 - 60ns, 72-pin (64MB) 279
- EDO 1 x 32 - 60ns (4MB) 17
- EDO 2 x 32 - 60ns (8MB) 25
- EDO 4 x 32 - 60ns (16MB) 45
- EDO 8 x 32 - 60ns (32MB) 89
- Non Parity 1 x 32 - 60ns (4MB) 17
- Non Parity 2 x 32 - 60ns (8MB) 25
- Non Parity 4 x 32 - 60ns (16MB) 45
- Non Parity 8 x 32 - 60ns (32MB) 89
- Non Parity 16 x 32 - 60ns (64MB) 249

NOTEBOOK MEMORY (3RD PARTY)
- for Acernote 374, Nuovo 971/ 972
- 8MB / 16MB / 32MB 95/145/499
- for AST Ascentia 950N
- 8MB / 16MB 115/165
- for AST Ascentia J30 / J50
- 8MB / 16MB / 32MB 85/139/258
- for AST Ascentia P30/ P50
- 8MB / 16MB 115/175
- for Compaq Armada 4120/ 4130
- 8MB / 16MB / 32MB 95/155/269
- for Compaq Contura 410/ 420/ 430
- 4MB / 8MB / 16MB 75/99/155
- for DEC HiNote 433/ 450/ 475
- 4MB / 8MB / 16MB 59/89/145
- for HP Omnibook 5000/ 5500
- 8MB / 16MB / 32MB 109/165/285
- for IBM Thinkpad 365X/ 560/ 760EX/ ED/ EL
- 8MB / 16MB / 32MB 89/155/235
- for NEC Versa 6030X/ H
- 8MB / 16MB / 32MB 105/165/295
- for Panasonic CF62EX/ 25EX
- 8MB / 16MB / 32MB 95/145/499
- for TI TravelMate 6020/ 6030
- 8MB / 16MB 99/169
- for Toshiba T1900/ T4500/ T200CS
- 4MB / 8MB / 16MB 89/109/165
- for Toshiba T2100 series
- 4MB / 8MB / 16MB / 24MB 65/89/135/195
- for Toshiba Portege 610CT
- 8MB / 16MB / 32MB 89/130/249
- for Toshiba Portege 650/ 660CDT
- 8MB / 16MB / 32MB 75/120/230
- *for Toshiba Tecra 700 - 32MB ..... *(235)*
- for Toshiba Tecra 710/ 720/ 730CDT
- 8MB / 16MB / 32MB 89/130/249
- for Toshiba Satellite 430CDS/CDT/ 100/ 200CDS/CDT
- 8MB / 16MB / 32MB 89/130/249

PCMCIA FLASH RAM CARD
- 4MB / 8MB / 10MB / 16MB / 20MB 125/165/179/225/259

PRINTER MEMOR
- For upgrades ..... Call

10. MODEMS & FAX

APOLLO
- PCMCIA 56k w. AT&T chips 155

BOCA SALE

(5-in-1 multimedia)
- **SE14SRS 14.4 Sound Expression Int ..... *(59)**
- **SE34SRS 28.8 Sound Expression Int ..... *(99)**

DIAMOND
- Supra Express 33.6 Fax PnP Int oem / reg 65/75
- Supra Express 33.6 Fax PnP Ext 95
- Supra Express 56k Fax PnP Int oem / reg 99/115
- Supra Express 56k Fax PnP Ext 135

Hayes
- *Accura 33.6 Fax Int / Ext ..... *(125/149)*
- Accura 56k Int / Ext 159/179
- Optima 33.6 v.34 Fax Int / Ext 189/199
- *Optima 288 v.34 PCMCIA w. EZ jack ..... *(145)*
- *PC288HC 28.8 v.34 Fax 230K DTE Int ..... *(195)*
- *PC288MT 28.8 v.34 Fax Ext ..... *(149)*
- *PM288HC 28.8 v.34 Int ..... *(69)*
- PM336HC Int / PM336MT Ext 95/115
- PM56HC Int / PM56MT Ext 145/165

JATON
- Explorer 56k X2 Fax/ Voice/ Speaker Phone Int 79

MEGAHERTZ
- *XJ1336 PCMCIA 33.6 Flash upgradable ..... *(199)*
- *XJ1560 PCMCIA 56k ..... *(215) 224*
- XJ4288M PCMCIA 28.8 cellular w. Motorola cable 249
- XJ4336 Cellular Capable 33.6 225
- *XJ5560 Cellular Capable 56k ..... *(249)*

MICROCOM
- *Deskporte 28.8P v.34 Fax Ext Parallel ..... *(125)*
- *Deskporte 28.8S v.34 Fax Ext ..... *(95)*
- Officeporte 33.6 Voice ASVD Ext 155

MOTOROLA SALE
- **BitSerfer #1749 Pro ISDN Multilink PPP Ext ... *(299)**
- **BitSerfer #1750 ISA ISDN ..... *(245)**
- **BitSerfer #1994 Pro ISA for ISDN ..... *(298)**
- **BitSerfer Pro ISDN Easy Ext ..... *(275)**
- **Mobile Serfer 56k PCMCIA 169**
- **Modem Serfer 33.6 Int / Ext ..... *(75/95)**
- **Modem Serfer 56k Int / Ext ..... *(94/109)**
- **Montana PCMCIA 33.6 ..... *(165)**
- **- w. cellular cable ..... *(185)**
- **NT1D Network Terminator 165**
- **Online Serfer 28.8 Fax Int / Ext ..... *(65/69)**
- **Premier 33.6 Int / Ext ..... *(149/169)**
- **Voice Serfer 33.6 Int / Ext ..... *(99/115)**

SIMPLY TECHNOLOGY
- Communicator 56k PCMCIA Voice & Cellular 189

US ROBOTICS SALE
- Courier I-Modem #U w. Analog Int / Ext 239/285
- Courier I-Modem #2 v.34 w. NT1 Int / Ext 259/335
- *Courier V. Everything 56k Int / Ext (free CU-See Me s/w, while supplies last) ..... *(205/235)*
- Sportster 28.8 Win Modem Int 85
- *Sportster v.34 33.6 Fax Int oem / reg ..... *(89/99)*
- *Sportster v.34 33.6 Fax Ext ..... *(139)*
- Sportster v.34 33.6 Fax/ Voice/ Mail/ Speaker Phone Int oem / reg 105/139
- Sportster v.34 33.6 Fax/ Voice/Mail/Speaker Ph Ext 159
- Sportster ISDN 128k Int 215
- Sportster 56k Int / Ext 165/185
- Sportster 56k w. Voice Int / Ext 189/205
- Total Control Modem Pool/8 2150
- Total Control Modem Pool/16 4250

WISECOM SALE

(5 year warranty)
- **3314-JS3 33.6 Data Fax/ Voice Int (Rockwell) 54**
- **3314-JS7 33.6 Data Fax/ Voice Int (Davidcom) 49**
- **5614-JS3 56k Data Fax/ Voice Int (Rockwell) 86**
- **5614-WD8 56k X2 Data Fax/ Voice Int (TI) 84**

XIRCOM
- *CM-33 33.6 Fax PCMCIA ..... *(159)*
- *CM-56G 56k PCMCIA Global Access ..... *(189)*

ZOOM (7 YR WARRANTY)
- *#2805 33.6 Fax Int ..... *(95)*
- *#2836 33.6 Fax Ext ..... *(105)*

Start Your HOLIDAY SHOPPING Here At CENTRAL COMPUTER!

**(sale price) .....: SPECIALS, limited to stock on hand*
Prices subject to change without notice.

http://www.centralcomputer.com for current prices & product c
ct catalog

11. MONITORS

Monitors on Display at our stores for your comparison

Acer
- *78iE 17" 1600 x 1200 .26 NI ... *(525)*

ARTMEDIA (SONY OEM)
- *TX1664 15" 1280 x 1024 .25 NI ... *(309)*
- TN1885 17" 1600 x 1280 .25 NI ... 745
- TX1864 17" 1280 x 1024 .25 NI ... 579
- TN2185T 20" 1600 x 1200 .30 NI ... 1285
- GT-960T 20" 1600 x 1200 .25 NI ... 1489

HITACHI SuperScan®
- *CM500U 15" Flat 1280 x 1024 .28 NI, 65hz ... *(289)*
- CM620U 17" Flat 1280 x 1024 .28 NI ... 545
- CM630U 17" Flat 1600 x 1200 .28 NI ... 645
- CM751 19" 1600 x 1200 .26 NI, 75hz ... 999
- CM2011M 20" 1600 x 1200 .28 NI ... 1165
- CM800U 21" 1600 x 1200 .22 NI ... 1289
- CM820U 21" 1600 x 1200 .22 NI ... 1495
- CM803U 21" 1800 x 1440 .22 NI, 77hz ... 1545

IBM
- C41T 14" Touch Screen Monitor .28 ... 895
- G50T 15" Touch Screen Monitor .28 ... 985
- G70 17" 1280 x 1024 .28, 60hz, FST ... 785
- G70T 17" Touch Screen Monitor .28 ... 1465
- P70 17" 1600 x 1200 .26, 60hz ... 995
- G200 20" 1600 x 1200 .28, 60hz ... 1385
- P200 20" 1600 x 1280 .31, 60hz ... 1785
- P201 20" 1600 x 1200 .26mm, 85hz ... 2445

Hyams SALE

(3 Year warranty)
- **MF-8515G 15" 1280 x 1024 .28 NI ... 285**
- **MF-8617E 17" 1600 x 1200 .26 NI, 69hz ... 535**
- **MT-9017E 17" 1600 x 1200 .25 NI, 72hz ... 625**
- **MF-8721 21" 1800 x 1440 .22 NI, 74hz ... 1199**
- **MT-9021E 21" 1600 x 1280 .30 NI, 76hz ... 1125**
- **MT-9221E 21" 1800 x 1440 .28 NI, 74hz ... 1295**

IMPRESSION
- 3 Plus 14" 1024 x 768 .28 NI ... 179
- 5 Plus 15" 1280 x 1024 .28 NI ... 225
- 7 Plus 17" 1280 x 1024 .28 NI ... 445
- Vienna Pro 17" 1600 x 1280 .25 NI ... 569

KFC
- *CA1515DS 15" Flat 1280 x 1024 .28 NI ... *(225)*

MAG
- *DX15T 15" 1280 x 1024 .25 NI ... *(339)*
- *DJ702 17" 1280 x 1024 .26 NI, 65hz ... *(569)*
- *DX700T 17" 1280 x 1024 .25 NI ... *(619)*

MAXTECH
(3 Year warranty)
- *XT-7800 17" 1280 x 1024 .28 NI ... *(445)*

NANAO
- *FX-C5 17" 1280 x 1024 .26 NI ... *(665)*
- TX-C7S 17" 1600 x 1200 .25, Trinitron ... 999
- TX-D7S 20" 1600 x 1280 .30 NI ... 1675
- FX-E8 21" 1600 x 1280 .26 NI ... 2245

NEC
- A500 15" 1280 x 1024 .28 NI ... 339
- E500 15" 1280 x 1024 .25 NI ... 369
- M500 15" 1280 x 1024 .25 NI ... 389
- A700 17" 1280 x 1024 .28 NI ... 599
- E700 17" 1600 x 1280 .25 NI ... 679
- *M700 17" 1280 x 1024 .25 NI ... *(759)*
- P750 17" 1600 x 1200 .25 NI ... 849
- *E1100 21" 1600 x 1200 .28 NI ... *(1299)*
- *P1150 21" 1600 x 1200 .25 NI, 75hz ... *(1445)*
- XM3750 37" 1024 x 768 Multimedia ... 5475
- XP3778 37" 1280 x 1024 Data ... 7795

NOKIA
- *447L 17" 1024 x 768 .28 NI ... *(569)*
- 447XAV 17" 1600 x 1280 .25 NI ... 985
- *447Xi 17" 1600 x 1280 .25 NI ... *(795)*
- 445XAV 21" 1600 x 1280 .26 NI ... 1845
- *445Xi 21" 1600 x 1200 .26 NI, TCO95 ... *(1499)*

OPTIQUEST
- V655 15" 1280 x 1024 .28 NI, Digital ... 329
- V775 17" 1600 x 1200 .26 NI ... 625
- V95 19" 1600 x 1280 .26 NI ... 859
- 2082DC 20" 1600 x 1200 .28 NI ... 1199

PRINCETON
- EO70 17" 1280 x 1024 .28 NI ... 489
- EO75 17" 1600 x 1280 .26 NI ... 589
- EO90 19" 1600 x 1200 .26 NI ... 859
- Ultra 17+ 17" 1600 x 1280 .28 NI ... 579

SAMSUNG
- *17GLSi 17" 1600 x 1280 .26 NI, TCO92 ... *(699)*

SCEPTRE
(3 Year Warranty)
- *P401 14" 1024 x 768 .28 NI, Digital ... *(165)*
- *P511 15" 1280 x 1024 .28 NI, Digital ... *(215)*
- P73 17" 1280 x 1024 .28 NI, Digital ... 419
- P73A 17" 1280 x 1024 .26 NI, Digital ... 465
- P73B 17" 1280 x 1024 .26 NI, Digital, Black ... 479
- *P75A 17" 1600 x 1200 .26 NI, Digital ... *(515)*

LCD PANEL: (1 yr warranty)
- CD-111S 11.3" DSTN, 800 x 600, 64k color ... 875
- CD-1112T 12.1" TFT, 800 x 600, 256k color ... 1725
- FT15 15" TFT, 1024 x 768, color ... 2499

SHAMROCK
- SRC-1407 14" 1024 x 768 .28 NI, Digital ... 179
- SRC-1502L 15" 1280 x 1024 .28 NI, Digital ... 215
- SRC-703LD 17" 1280 x 1024 .28 NI, Digital ... 459
- SRC-705 17" 1600 x 1280 .26 NI, Digital ... 485

SONY
- CPD-100ES 15" 1280 x 1024 .25 NI ... 375
- *CPD-100SF 15" 1280 x 1024 .25 NI, 60hz ... *(359)*
- *17SEII 17" 1600 x 1200 .25 NI PnP ... *(869)*
- CPD-200SF 17" 1280 x 1024 .25 NI, 75hz ... 699
- CPD-200SX 17" 1280 x 1024 .25 NI, 60hz, PnP ... 629
- 20SEII 20" 1600 x 1200 .25 NI ... 1735
- *CPD-300SFT 20" 1280 x 1024 .30 NI, 80hz ... *(1299)*

TVS
- 9" 1024 x 768 VGA Mono ... 119

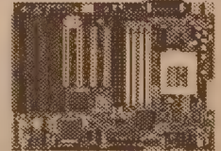
ViewSonic
- E641 14" 1024 x 768 .28 NI ... 205
- E655 15" 1024 x 768 .28 NI ... 279
- *15GA 15" 1280 x 1024 .28 NI, Speaker Phone ... *(375)*
- 15GS 15" 1024 x 768 .28 NI ... 305
- 17EA 17" 1280 x 1024 .28 NI PnP ... 565
- *17GA 17" 1280 x 1024 .27 NI PnP ... *(625)*
- *17PS 17" 1600 x 1280 .25 NI PnP, TCO ... *(645)*
- G771 17" 1280 x 1024 .27 NI ... 535
- GT770 17" 1280 x 1024 .25 NI ... 645
- P775 17" 1600 x 1280 .25 NI ... 679
- *PT770 17" 1600 x 1280 .25 NI ... *(669)*
- PT775 17" 1600 x 1280 .25 NI, Sonictron ... 799
- *G800 20" 1600 x 1280 .28 NI ... *(1035)*
- GT800 20" 1600 x 1280 .20 NI, Sonictron ... 1129
- *G810 21" 1600 x 1280 .25 NI ... *(1349)*
- *P810 21" 1600 x 1280 .25 NI ... *(1295)*
- *P815 21" 1800 x 1440 .25 NI ... *(1435)*
- *PT813 21" 1600 x 1280 .28 NI ... *(1389)*
- *29GA 29" 1280 x 1024 .75 stripe pitch ... *(2195)*

VIEWTRONIC
- DX-1764Q 17" 1280 x 1024 .26 NI ... 419

WYSE
- WY-15E 15" 1280 x 1024 .28 NI ... 399
- WY-17E 17" 1280 x 1024 .28 NI ... 645
- WY-17PS 17" 1280 x 1024 .25 NI ... 825
- WY-55 Terminal 14" Amber/ Green/ White ... 275 ea.
- WY-60 Terminal 14" Amber/ Green/ White ... 385 ea.
- WY-65 Terminal 14" Amber/ Green/ White ... 345 ea.
- WY-150 Terminal 14" Amber/ Green/ White ... 325 ea.

ACCESSORIES:
- VGA Monitor Splitter - 4 Port / 8 Port ... 155/195
- VGA & Keyboard Switch 4 Way ... 19.95
- VGA, KB & Mouse Switch - 2 Way/ 4 Way 24.95/34.95
- VGA Switch 1 to 4 Way ... 13.95

12. MOTHERBOARDS



ASUS (W/O CPU)
- *P2L97 ATX, 440LX chipset ... *(195)*
- *P2L97S ATX, 440LX chipset, SCSI ... *(279)*
- P2L97DS ATX, Dual, 440LX chipset, SCSI ... 479
- P55T2P4 P-200, PCI, 512k ... 149
- TX97 512k, TX chipset, Dimm ... 167
- TX97E 512k, TX chipset, 4 Simm/ 2 Dimm ... 169
- TX97X ATX, 512k, TX chipset, Dimm ... 169
- TX97XE ATX, 512k, 4 Simm/ 2 Dimm ... 175
- - TX97XE w. Sound ... 199
- TXP4 512k, TX chipset ... 155
- XP55T2P4 ATX, P-200, PCI, 512k Burst SRAM ... 155

DFI (W/O CPU)
- 586ITB P-233, 512k, 430TX chipset ... 105
- 586ITX ATX, P-233, 512k, 430TX chipset ... 114
- 686IPK ATX, P-II, 440FX, ECC & Parity ... 165
- P2XLX ATX, PII-233, 440LX, 1 AGP ... 185

FIC (W/O CPU)
- KL-6011 Single P-II, 440LX, w. ATI AGP ... 369
- PA-2007 P-200, 1MB, Via, AT, IDE I/O ... 125
- PA-2011 ATX, P-200, 512k, Via ... 125
- PT-2006 P-200, 512k, T3, IDE I/O ... 99
- PT-2007 P-200, 512k, TX, AT, IDE I/O ... 119
- PT-2011 ATX, P-200, 512k, TX, IDE I/O ... 135
- VA-502 P-200, 512k, Via, IDE I/O ... 85

intel (W/O CPU)
- AN430TX ATX, 512k, w. Sound ... 195
- AN430TX ATX, 512k, 2MB, SVGA, w. Sound ... 235
- Atlanta P-II, 512k, 440LX / w. Sound ... 209/229
- LT430TX ATX, 512k, IDE I/O ... 179
- Portland P-II, 440FX chipset / w. Sound ... 195/215

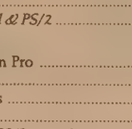
J-BOND (W/O CPU)
- *PCI500C-G2: P-200, 512k, 4PCI, EIDE, 430HX ... *(109)*
- *- w. AHA2940UW SCSI on board ... *(199)*
- PCI500C-H4: P-266, 512k, VX ... 99
- PCI500C-J: ATX, P-300, CPU Alarm ... 129
- - w. AHA2940UW SCSI on board ... 259
- PCI500C-K: P-266, 512k, 430TX ... 105
- PCI600A: ATX, Pro-200, 4PCI, IRDA, 440FX ... 189

M-TECH (W/O CPU)
- Mustang R534E P-200, 512k, IDE I/O ... 139
- M549 512k, Super TX chipset, 4 Simm/ Dimm ... 95
- R539 512k, TX, 4 Simm/ 2 Dimm, IDE I/O ... 135
- R543 Cyrix Media GX, 150Mhz, VGA/ Audio ... 159
- R557 ATX, 512k, TX, 4 Simm/ 2 Dimm ... 149
- R653 ATX, P-II, 440FX, EIDE, I/O ... 209

SUPERMICRO (W/O CPU)
- P5MMA98 ATX, 512k, TX chipset ... 159
- P5MMS98 512k, TX chipset ... 155
- P6DNE Pro-200, Dual ... 315
- *P6DNF Pro-200, Dual, 440FX, IDE I/O ... *(339)*
- P6DKF P-II, Dual, 440FX, IDE I/O ... 359
- P6DLS P-II, Dual, 440LX, w. 2940UW SCSI ... 479
- P6SAS ATX, Pro-200, w. 2940UW SCSI ... 299
- P6SKEII ATX, P-II, 440FX, EIDE I/O ... 225
- P6SKS ATX, P-II, 440FX, EIDE, SCSI ... 335
- P6SNEII P-II, 440FX, IDE I/O ... 225
- P6SNS Pro-200, w. 2940UW SCSI ... 299

TYAN (W/O CPU)
- 1564D Tomcat IV 512k, Dual, 430HX chipset ... 199
- 1564S Tomcat IV 512k, 430HX chipset ... 159
- 1571S 512k, 430TX chipset ... 149
- 1573S ATX, 512k, 430TX chipset ... 147
- 1680S P-II, 440FX, AT ... 229
- *1682D P-II, Dual, 440FX ... *(329)*
- 1686S ATX, P-II, 440FX chipset ... 239
- 1692DL ATX, Tiger II Dual, 440LX ... 349
- 1692S ATX, Tiger II Single ... 229

13. MOUSE & JOYSTICK



CIRQUE (TOUCH PAD)
- *Easy Cat PnP ... *(25) 29*
- *Power Cat w. Signature Pen ... *(59) 65*
- *Smart Cat w. Scroll & Zoom ... *(39) 44*

KENSINGTON
- Expert Bus 5.0 ... 115
- *Expert Serial & Trackball 5.0 ... *(89)*
- *Mouse in a Box ... *(26.95)*
- *Orbit Trackball ... *(49)*
- *Thinking Mouse Serial & PS/2 ... *(55)*

LOGITECH
- Coredless Mouseman Pro ... 69
- *First Mouse Plus oem ... *(29)*
- Mouseman 96 / Bus ... 52/64
- Mouseman Sensa ... 29
- Serial Combo PC & PS/2 oem / reg ... 24/45
- Trackman Live Cordless ... 125
- Trackman Marble for Win'95 oem / reg ... 59/82

Microsoft
- Bus 2.0 400dpi w. Bus Card oem / 5-pk ... 65/325
- Combo Mouse (Serial + PS/2) ... 49.95
- Easyball w. Freddi Fish CD ... 49.95
- Home Mouse Serial ... 29
- *IntelliMouse 3.0 for Win'95 ... *(69)*
- - oem Serial / oem PS/2 ... 35/37
- IntelliMouse Trackball ... 69.95
- PS/2 2.0 oem ... 32
- Serial 2.0 400dpi oem ... 27

MOUSE SYSTEMS
- Mouse! Serial w. pad ... 19
- Omni Mouse ... 26
- PC Mouse III (3-button optical) ... 49.50
- PC Trackball II ... 39.95
- ProAgio (5-button serial) ... 39
- Serial Bus Card (9IRQS), 5 Com ... 29

NEC
- King Mouse 2-button ... 19.99

QTRONIX
- Libra 90 Pro Trackball ... 35
- Opto-Mechanical Mouse ... 7.50

OTHERS
- AGILER ATB-610 Serial Trackball ... 19.95
- AGILER Bus ... 23
- ANCER 3-button, Black ... 19
- *ANTEC Serial ... *(6.95)*
- GENIUS Netmouse Serial / PS/2 ... 19.95/19.95
- GENIUS Netmouse Combo (Serial + PS/2) ... 24.95

JOYSTICK:

C.H. PRODUCTS
- Flight Stick Pro ... 53
- Pro Pedals ... 79.95
- Virtual Pilot / Pro (Yoke) ... 68/75

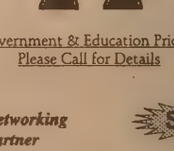
LOGITECH
- Wingman Extreme oem / reg ... *(34)/47

Microsoft
- Side Winder 1.0 ... 29
- Side Winder 3D Pro ... 44
- Side Winder Force Feedback ... 145
- Side Winder Gamepad ... 39
- Side Winder Precision Pro ... 68

QUICKSHOT
- QS123A Warrior 5 ... 15
- QS206 Sky Master ... 29
- QS216 Strato Warrior ... 27
- QS217 Command Pad ... 15

THRUSTMASTER
- ACM Game Card ... 29.95
- F-16 FLCS / F-16 TQS ... 125/129
- F-22 Pro Flight Control ... 139
- Flight Control System MKII ... 65
- Flight Control System Pro ... 108
- Formula T2 ... 119
- Rudder Control ... 109
- UPROM ... 29.95
- Weapon Control MKII ... 109
- Wizzard (pinball controller + Royal Flush CD) ... 39
- XL Action / w. EF2000 CD game ... 28/33.95

14. NETWORK



Government & Education Pricing
Please Call for Details

3Com net Working Partners *Networking Partner* SALE

- *3C250A 100BaseTX Fast 12 Port Hub ... *(995)*
- *3C509B TPO (RJ45 only) oem ... *(49)*
- 3C509B-TPC TP+BNC oem / reg ... *(69)/115
- 3C509B Combo / 5-pk ... 119/499
- 3C515-TX Fast 10/100 ISA oem / reg ... 129/145
- *3C562D PC Card Modem 33.6 + Lan TPO ... *(269)*
- *3C562D PC Card Modem 33.6 + Lan Combo ... *(299)*
- 3C575-TX 10/100 Card Bus PC Card ... 155

**(sale price;..... SPECIALS, limited to stock on hand*
Prices subject to change without notice.

http://www.centralcomputer.com for current prices & product catalog

3C589D PCMCIA TP / 5-pk ..... *(139)/675
3C589D PCMCIA Combo / 5-pk ..... *(179)/875
3C597-TX EISA 10/100 TP 239
*3C862 Impact ISDN U-Interface w. NT1 Int ..... *(495)*
*3C882 Impact IQ ISDN v.32bis Ext ..... *(215)*
3C900 PCI TPO 105
3C900 PCI Combo oem / reg ..... *(99)/135
*3C905-TX PCI 10/100 TP oem / reg / 5-pk *(75/99/395)*
*3C16170 Link Builder 12 Port ..... *(299)*
*3C16405 Port Switch 40 Hub 12 Port ..... *(395)*
3C16406 Port Switch 40 Hub 24 Port 895
3C16590 Dual Speed Hub 12 Port 1165
3C16591 Dual Speed Hub 24 Port 1795
*3C16670A Superstack II Hub 12 Port ..... *(469)*
*3C16671A Superstack II Hub 24 Port ..... *(799)*
*3C16700 TPO Office Connect Hub 8 Port ..... *(95)*
*3C16701 TPC Office Connect Hub (8TP+BNC) ... *(129)*
*3C16702 Office Connect Hub (16TP+BNC) ..... *(215)*
*3C16703 Office Connect Hub 4TP Combo ..... *(95)*
*3C16720 Office Connect 100 Hub 8 Port ..... *(475)*
*3C16730 Office Connect 10/100 Switch 4TP 1 Fast . *(695)*
*3C16900A Switch 1000 24 Port 1 Fast ..... *(2075)*
3C16901A Switch 1000 12 Port 1 Fast 1599
3C16941A Switch 3000TX 8 of 100TX Port 1975

Adaptec

*ANA-6901 PCI Full Duplex TP / Combo ..... *(85/99)*
ANA-6910TX PCI Fast-TX, 32-bit bus 175
ANA-6940TX PCI Quartet Fast (4UTP) 745
ATM 25.6Mb/s PCI - 128k / 512k 299/389
ATM 155Mb/s PCI 512k UTP 725

ALLIED TELESYN

3012TR Workgroup Hub (12TP+AUI+BNC) 165
3016TR Workgroup Hub (16TP+AUI+BNC) 189
3024TR Workgroup Hub (24TP+AUI+BNC) 249
MC12T UTP to BNC Conversion Kit 119
MR415T Mini Hub 4 Port 54
MR815T Mini Hub 8 Port 64
MR820TR Microhub 8 Port (8TP+AUI+BNC) 115
MX26F Fiber Optics Transceiver 145
MX40F Fiber Optics Transceiver 139

APOLLO

PCMCIA LAN Ethernet Adapter Combo 79

ARTISOFT

Extra Mail for Win'95 215
I-Share 2.5, 32 sessions (internet for Lantastic) 179
Lantastic 7.0 Single - CD / FD 85/89
Lantastic 7.0 10-user - CD / FD 355/359
Lantastic 7.0 1-user Add On 129
Lantastic 7.0 Starter Kit 2-user - CD+FD 249
Lantastic 7.0 Unlimited User - CD 725
Lantastic Power Suite:
-1 / 5 / 10 / 25-user 149/599/1075/2295
- conversion for 1 / 5 / 10-user 89/345/595
NR-Pro 2000A Combo / 10-pk 85/755
NR-Pro 2000T TP / 10-pk 79/625

ASANTÉ

*10T Hub 8 Port (8TP+BNC) ..... *(125)*
*10T Hub 12 Port (12TP+1BNC+1AUI) ..... *(219)*
*10T Hub 24 Port ..... *(345)*
*Fast 100BaseTX 12 Port Hub, stackable ..... *(1475)*
*Fast 100BaseTX 12 Port Hub, PnP ..... *(1195)*
*FriendlyNet 5 Port Hub TP ..... *(62)*
FriendlyNet 8 Port Hub TP 69

ASCEND

*P15-1UBRI: ISDN ..... *(285)*
*P25-1U-FX: ISDN Pipeline 25 + 4 Ethernet ..... *(435)*
*P25-1U-PX: ISDN Pipeline 25 + IP Routing ..... *(499)*
*P50-1UBRI: ISDN Pipeline 50 ..... *(565)*
- w. Secure Firewall P50 ..... add 335
*P75-1UBRI: ISDN Pipeline 75 ..... *(635)*
- w. Secure Firewall P75 ..... add 335
*P130-1UBRI-FT1: ISDN ..... *(1245)*
- w. Secure Firewall P130 ..... add 645
Max 200+ (M201 - 4BRIU) 2975
*Max 1800 (MX18 - 8BRIU) ..... *(4995)*

Bay Networks

Bay Stack 12 Port (CG1001E01) 599
Bay Stack 24 Port (CG1001E02) 975
Bay Stack 100BT 12 Port (AT2202001) 1595
Lattislink 2800A: 16TP + 1AUI 559
Lattihub 2803: 16TP + 1AUI, stackable 599
Lattiswitch 28115: 10/100 TP, 16 Port 7795
NetGear FE108: 8 Port 100 Hub, non-stackable 375
NetGear FE508: 8 Port Fast 100 Hub 549
NetGear FE516: 16 Port Fast 100 Hub 965

CASTELLE

FaxPress 1500N Ether 1 Line for NW & NT 1995
Office Connect CD Rom Server 569
*Office Connect Ether 2P Printer Server ..... *(299)*
Office Connect Ether 1 Line Fax Server 1195

CHEYENNE

*Arc Serve 6.1 for Win - 5 to 25-user (netware) ..... *(395)*
Arc Serve 6.1 for Win - 50 to 100-user 1095
Arc Serve 6.5 for Win NT 4.0 Single Server 415
Arc Serve 6.5 for Win NT 4.0 Enterprise 739
Arc Serve 6.5 for Win NT Workstation 99
Arc Serve for MAC - 5 / 20-user 159/309
Arc Solo Backup software for Dos / Win 119/118
Fax Server NLM 5.0:
- 5 / 10 / 25-user 355/639/999
Innocular for Netware Server 4.0 Unlimited 585
Innocular for Win'95 (Anti-Virus) 45
Innocular for Win NT Server 575
Innocular for Win NT Workstation Client 46

CISCO SYSTEMS

CPA-762 ISDN BRI w. NT1 525
CPA-1604 Bridge w. NT1 1295
CPA-2501 Router 1 Ethernet 2 Serial 1695
CPA-2514 Router Dual Ethernet 2195

CNET

2000E+ ISA Combo PnP 27
4020ERP 2 Port Coax Repeater 165
*8800TPC Hub (8TP + BNC) ..... *(75)*
*8816TPC Hub (16TP + BNC) ..... *(159)*

DANPEX

*2900P2 PCI Combo ..... *(29)*
3270 Emulation for PC / PS/2 ..... 175/195
5250 Emulation for PC / PS/2 ..... 199/235
6200P2 PCMCIA (type II), BNC + TP 79
*9400P3 32-bit Combo PCI (DEC, full duplex) ..... *(45)*
*EN-500 5 Port Hub TP ..... *(46)*
*EN-1600 16 Port Hub R.M. ..... *(155)*
EN-3200 32 Port Hub R.M. 255
ER-200 2 Port Repeater Coax 175
ER-400 4 Port Repeater Coax 249
ET-109 Converter (10BaseT to BaseFL) 169
ET-509 Translator (UTP to BNC) 109
ET-510 Translator (UTP to AUI) 107
*FE-1000TX ISA 10/100BaseTX ..... *(48)*
*FE-1400TX PCI 10/100BaseTX ..... *(49)*
FR-600 10BaseFL 6 Port ST Hub 795

DIGI INTERNATIONAL

IMAC Bridge 1 ISDN 1165
IMAC Bridge Dual IMAC 1595
PC IMAC - ISA: Server, 1 ISDN 525
PC IMAC/ 4-1: Multi ISDN Expansion 665

FARALLON

Mac & PC Connection products ..... Call

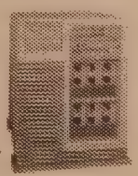
FRONTIER

Super TCP / SuperWeb ..... Call

HEWLETT PACKARD

J2550B Jet Direct TP 279
J2552B Jet Direct Combo 345
*J2556B Jet Direct 10/100 Combo ..... *(385)*
J2573A 10/100 VG Selectable ISA 169
J2585A 10/100 VG Selectable PCI 135
J2590A Jet DirectEX Plus 3 for 100VG 549
*J2591A Jet DirectEX Plus Combo ..... *(285)*
J2593A Jet DirectEX Plus 3 Combo 385
J2610B Advanced Stack 8 Port Hub 245
J3128A Advanced Ethernet 8E Hub 185
J3175A AdvanceStack Switch 208T 1045
J3200A AdvanceStack Switching 12 Port 425

HP NETSERVER:



D4841B 6/200 LH PRO
Pro-200, 32MB, 1GB max ECC,
256k L2, 6 hot swap shelves,
2 UW SCSI-3 Controllers, CD,
3-yr onsite warranty fr HP,
Optional: Reduntant Power Supply
Upgradable to Dual CPU
..... 6695

D4315B 6/200 SMP LX PRO 17295
D4934A E40 P6/200 2650
HP Support Pack (Extended Warranty) ..... Call

IBM

Token Ring 16/4 Turbo ISA (72H3482) 245
Token Ring PCMCIA 16/4 Auto 325

intel

SALE

EE110TX 8 Port Fast Hub, non-stackable 459
*EE110TX 12 Port 10/100 Dual Speed Hub ..... *(799)*
EE110TX 24 Port Dual Speed Hub 1685
*EILA 8265 Pro/100 for EISA ..... *(199)*
*ES101-TX Switching Hub 10/100 ..... *(2099)*
EtherExpress Pro/10 Cards:
*- PCLA 8210 BNC+TP oem / reg / 5-pk .... *(65/95/325)*
*- PCLA 8220 TP / 5-pk ..... *(89/345)*
- PCLA 8205 Flash BNC+AUI+TP 135
- PCLA 8215 Flash BNC+TP 125
- PCLA 8225 Flash TP 115
LANdesk Server Manager Pro (LDSMV251) 1185
LANdesk Virus Protect 4.0 945
*MBLA 1600 PCMCIA 10/100 ..... *(149)*
PCLA 2451 Netport Express Pro/100 Ext. 3 Port 335
PCLA 3151 Netport Express Pro Int 295
PCLA 4451 Netport Express Pro/100 Ext, 1 Port 235
PILA 8465B Pro/100 PCI TP oem / reg / 5-pk(65/89/375)*
PILA 8480 Pro/100 Server Adapter 485

KINGSTON

Etherx 10BT PC Card 95
Etherx 10/100 Fast PCI 59

LANPRO

SALE

*EN2000PXA Full Duplex Combo PnP ..... *(27)*
*EN5200PX PCI Combo ..... *(32)*
*EN9120TX 10/100TX PCI Card ..... *(39.95)*
*Fast 100 Hub 5 Port Stackable ..... *(225)*
*Fast 100 Hub 8 Port Desktop / Stackable ..... *(335/425)*
*Fast 100 Hub 12 Port ..... *(599)*
*Hub 5 Port (5TP) ..... *(55)*
*Hub 8 Port (8TP+BNC) ..... *(69)*
*Hub 16 Port (17TP+2AUI+2BNC) ..... *(175)*
PS1000A Print Server Single Port 139
*SD200 2 Port Easy Switch 10BT & 100TX ..... *(199)*

LINKSYS

*Fast 100TX 4 Port Hub Stackable ..... *(185)*
Fast 100TX 8 Port Hub 359
Fast Switch 10/100TX 2 Port 275
Fast Switch 10BT & 100TX 5 Port 1195

MEGAHERTZ

*XJ10BC PCMCIA Ethernet Combo ..... *(135)*
*XJ10BT PCMCIA Ethernet TP ..... *(115)*
*XJEM336C Modem 33.6 + LAN Combo ..... *(279)*
*XJEM336T Modem 33.6 + LAN TP ..... *(249)*

MICRODYNE

*EH800E 8 Port Hub ..... *(119)*
*NE 10/100 - ISA / PCI ..... *(89/99)*
*NE2500 Combo PnP ..... *(35)*
NE3210 32-bit Combo EISA 185
*NE5500 32-bit Combo PCI ..... *(109)*

MIROTEST

CD-Now for Netware - 25 / 50-user 489/695
Disc View Pro 265
Disc Serv (includes Disc View) 529

NOVELL

SALE

Intra Netware Kit for Small Business (<25-user):
Server + 5-user + 2 Danpex ISA Combo +
5 Port 10BT Hub ..... *(475)

Intra Netware 4.11:
*- 5 / 10 / 25-user ..... *(695/1295/2095)*
- 50 / 100 / 250-user 2895/3995/7295
- 500 / 1000-user 15995/30995
Intra Netware for Small Business:
- Server + 5 License 599
- 1 / 5-user License 59/225
Lan Workplace 5.0 - Single / 10-user 195/1295
Netware Connect - 2 / 8 / 32-Ports 355/1375/3895
*Netware NFS v4.2C ..... *(1850)*
Netware NFS Service 2.1 2195
NFS Client for Lan Workplace 205
*Unixware Personal Edition v2.04 - CD ..... *(99)*
*Unixware SDK v2.1 - CD ..... *(75)*

PALINDROME

*Network Archivist NLM 3.1A Backup ..... *(195)*

SHIVA

LanRover/2E Plus 3.5 Async TP v.34 1695
NetModem/E 28.8 Ether BNC + TP 1295

SMC

SALE

*Ether EZ TP (8416T) oem ..... *(58)*
*Elite Ultra 32 EISA Combo ..... *(195)*
*Etherpower PCI Combo (8432BT) oem ..... *(85)*
Etherpower II 10/100 (9432TX) oem / 5-pk *(65)/335
EZ Hub 100TX 8 Port 635
Tiger Hub 100TX 12 Port 1195
Tiger Hub 3212TC (12TP+BNC+AUI) 349
*Tiger Hub 3314T 14 Port ..... *(459)*

WISECOM (5 YR WARRANTY)

*D300CT PCI Bus Mastering (DEC) ..... *(33)*
*H008CAT 8 Port Hub (8TP+AUI+BNC) ..... *(69)*
*HI16CAT 16 Port (16TP+AUI+BNC) ..... *(139)*
*R300CT PCI 32-bit Combo PnP ..... *(29)*
U210T NE2000 ISA Combo PnP 24

Xircom

CE3-10BC PCMCIA Combo 159
CE3-10BT TP, upgradable 135
CE3B-100BTX 10/100 PCMCIA 155
*CEM56-100BTX 56k modem + Fast LAN ..... *(299)*
Net Access - 4 Port / 8 Port 1295/2195
*PE3-10BC Pocket Adapter Combo ..... *(279)*
*PE3-10BT Pocket Adapter TP ..... *(259)*

CABLES & ACCESSORIES:

Custom-made Cables, Cross-Overs ..... Call

15. POWER SUPPLIES

APC

BF-250 Back-UPS Office Kit ($30 Rebate) 165
BK-280 Back-UPS (200W), 2 out 105
BK-400 Back-UPS (300W), 2 out 154
BK-450 Back-UPS (325W), 4 out 179
BK-600 Back-UPS (425W), 4 out 239
BP-280 Back-UPS Pro PnP, 2 out 149
BP-420 Back-UPS Pro PnP, 4 out 235
BP-650 Back-UPS Pro PnP, 4 out 289
BP-1000 Backup Pro, 6 out 375
SU-450 Smart-Net (486, 586, WS), 4 out 295
SU-700 Smart-Net (486, 586, FS), 4 out 365
SU-1000 Smart-Net (FS, WS), 6 out 495
SU-1400 Smart-Net (950W), 6 out 625
SU-2200 Smart-Net (1600W), 8 out 999
SU-3000 Smart-Net (2250W), 8 out 1645
SU-1000 RM Net 575
SU-1400 RM Net 739
SU-2200 RM 3U 1235
SU-3000 RM 3U 1799
SUVS-420 Smart Value Server, 4 out 239
SUVS-650 Smart Value Server, 4 out 295
SUVS-1000 Smart Value Server, 6 out 415
Powerchute Plus:
- for Novell 65
- for OS/2, LAN Server, 3Com 75
- for Unix / Xenix 99
- for Win & Win'95 / Win NT 55/69
Surge Arrest (PER 7) 17.99
Surge Arrest w. TEL (PER 7T) 22.99
Surge Network Strip (NET 7) 29.95
Surge Protector (P7) 9.99
Surge Station Net 8 / 8N 36/48
Surge Station Pro 8 / 8T2 / 8TV 32/39/49

PC POWER COOLING

CPUcool for 486 or P-75 to P-133 (1.9") 18.95
CPUcool for P-150 / P-200 (1.9W) 19.95
CPUcool for Pentium® Pro (3.2") 22.95
Silencer 230 Slim for Baby or Mid Tower 69
Silencer 230 for Full Tower 89
Silencer 270 for Full Tower 124
Silencer 270 Slim for Baby or Mid Tower 114
Silencer 235 ATX / 275 ATX 84/124
Standard 230 for Full Tower 85
Turbo Cool 300 ATX 126
Turbo Cool 300 for Full Tower 125
Turbo Cool 300 Slim for Baby or Mid Tower 115
Turbo Cool 400 ATX 199
*Turbo Cool 400 Slim / for Full Tower ..... *(175/176)*
Turbo Cool 450 for Full Tower (heavy duty) 285
Two-in-1 500 (slim, redundant) 215
Twinpower 900 (redundant) 895

OTHERS

250W for ATX (Kingspao) 39
250W for Baby or Mid Tower, PS/2 (Kingspao) 35
300W UL for Full Tower, PS/2 45
300W for Full Tower, PS/2 (Kingspao) 49
RPT-600 300W Redundant for Tower 179

ACCESSORIES:

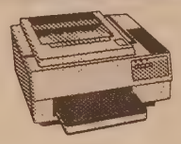
Battery Tester M-032 ..... 6.50
DMM: DT-890B (A,V,O,C,Hfe) 19.95
DMM: DT-830B (Adc,V,O,Hfe) pocket size 8.95
DMM: M-3900 (A,V,O,Hfe) big LCD 17.95

*(sale price) ..... SPECIALS, limited to stock on hand
Prices subject to change without notice.

http://www.centralcomputer.com for current prices & product catalog

DMM: KT-7113 (A,V,O,C,Hfe) auto ranging 24.95
DMM: KT-7244 (A,V,O,F,Hfe) 21.95
DMM: ST-5308 (Adc,V,O,Hfe) battery test 11.95
Engine Tester KT-7181 (Dwell, Tacho) 18.95
Power Center Switching Systems 13.50

16. PRINTERS & PLOTTERS



ARGOX

Rabit214 Lable Printer w. software 569

BROTHER

HL-720 True 600dpi, 6ppm, Laser 315
HL-730DX True 600dpi, 6ppm, Laser 365
*HL-1660 1200x600dpi, 17ppm, Laser ..... *(1185)*
MFC-4550 5-in-1, 600dpi, Laser, Fax 699
MFC-6550 6-in-1, Fax/ Copy/ Message Center/ Scan/ PC Fax/ Print 969
MFC-7000FC 6-in-1 Fax/ Copy/ Scan etc. 979

Canon

*BJC-70 Color 720x360dpi, 346cps ..... *(299)*
BJC-240 Color Photo, 360x360dpi, 4ppm 189
*BJC-620 Inkjet, Color, Par, 720dpi ..... *(299)*
BJC-4300 Inkjet, Color 199
BJC-4550 720x360dpi, 5ppm, 11"x17" 475

EPSON

FX-880 9-pin 295
FX-2170 9-pin, Wide, max. 6 copies 449
LQ-570+ 24-pin 259
LQ870 24-pin, Par 455
*LQ2070 24-pin, Wide ..... *(389)*
LQ2170 24-pin, Wide 549
*Stylus 400 Color, 720dpi, 3ppm ..... *(199) 209*
*Stylus 600 Color, 720x1440dpi ..... *(255) 275*
*Stylus 800 Color, 720x1440dpi, 8ppm ..... *(355) 375*
Stylus 1500 720dpi, fit A - C size paper 485
Stylus 1520 Color 759
Stylus Photo (C209011) 439

Accessories:

Black Ink for II & IIS (SO20047) 19.95
Black Ink for 400/ 500/ 600/ Photo 19.45
Black Ink for 400/ 800+ (SO20025) 10.95
Black Ink for 800 Color/ 1520 Color (SO20108) . 22.45
Color Ink for II & IIS (SO20049) 29.95
Color Ink for 400/ 600/ 800/ 1520 ..... 22.95
Color Ink for Stylus Photo (SO20110) 19.95
Coated Letter Paper 720dpi (SO41062), 100 sheet 12.95
High Quality Glossy Paper (SO41072), 15 sheet 24.95
High Quality Inkjet Letter (SO41111), 100 sheet . 8.95
Inkjet A4 720dpi (SO41061), 100 sheet 12.45
Iron-On Paper, 10 sheet 11.95
Photo Quality Glossy (SO41124), 20 sheet 10.95
Photo Quality Legal (SO41067), 100 sheet 16.95
Postscript for 800/ 1520 98

HEWLETT PACKARD

Color Laser Jet 5 (C3961A) 3875
Color Laser Jet 5M (C3962A) 4945
Deskjet 670C (C5884A) 208
Deskjet 692C 285
*Deskjet 820CXi / 870CXi ..... *(255/369)*
Deskjet 890CXi 419
Deskjet 1000CXi (C2673A), print size 4x6 - 11x17 485
Deskjet 1600C for PC & MAC 1299
Deskjet 1600CM Postscript for PC & MAC 1899
Laser Jet 4V/ 4MV (B size) 1795/2595
Laser Jet 5M / 5N 1525/1285
Laser Jet 5Si / 5SiMX 2349/3395
*Laser Jet 6LXi ..... *(377) 389*
Laser Jet 6PXi / 6MP 745/879
Laser Jet 4000 (C4118A), 2 trays 1099
Laser Jet 4000T (C4119A), 3 trays 1249
Mopier 5Si (C4176A) / w. Bundle 4445/6545
Office Jet 590 (C4645A) 4-in-1 595
Office Jet Pro 1150C Color (C5300A) 939
Portable 340 295

PLOTTERS:

Design Jet 350C: D Size / E Size 2195/2795
Design Jet 750C+: D Size / E Size 4995/5695
Design Jet 755CM: E Size 8195

Accessories:

*C3067A: Color for 540 ..... *(37)*
C3169A: Postscript for 5Si 435
C3760A: Lower Cassette for 4V/ 4MV 325
C3762A: Duplex for 5Si/ 5SiMX 479

NOTEBOOKS / DESKTOPS / PALMTOPS

THANKSGIVING SALE - 2% OFF ALL NOTEBOOKS Offer good for notebooks only, ends 11/30/97.

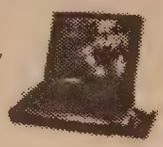
ACER

Extensa 670CD: P-166MMX, 16MB, 1.6GB, 10X CD, 12.1" DSTN 2850
Nuovo 972: P-133, 16MB, 1.3GB, 6X CD, 28.8 modem, 11.3" DSTN 2495
*Nuovo 975: (TM7060) P-166MMX, 32MB, 2GB, 10X CD, 33.6 modem, 12.1" TFT, Li-Ion ..... *(4295)*

AST

*Ascentia A60+: P-150, 16MB, 1.4GB, 10X CD, 33.6 modem, 12.1" TFT ..... *(2350)*
*Ascentia A70+: P-150MMX, 16MB, 1.4GB, 10X CD, 33.6 modem, 12.1" TFT ..... *(2560)*
*Ascentia P80: P-166MMX, 32MB, 3GB, 10X CD, 28.8 modem, 12.1" TFT ..... *(3650)*

CHEM USA



Chembook 2600:
- P-150, 16MB, 1.4GB, 14X CD, 12.1" DSTN; Win'95, Ni-MH 1689
- P-166MMX, 16MB, 1.4GB, 14X CD, 12.1" TFT, Win'95, Ni-MH 2245
- P-200MMX, 32MB, 2.1GB, 14X CD, 12.1" TFT, Win'95, Li-Ion 2569

Chembook 2700: P-233MMX, 32MB, 2.1GB, 20X CD, 14.2" TFT, 2MB Video, Win'95, Li-Ion 3399
Chembook 6000: IMM P-233MMX, 16MB SDRAM, 2.1GB, 20X CD, 13.3" TFT, XGA, Win'95 3925
Chembook 6800XL:
- P-166MMX, 32MB, 1.4GB, 16X CD, 13.3" TFT, 4MB Video, Win'95, Li-Ion 2915
- P-200MMX, 32MB, 1.4GB, 16X CD, 14.1" TFT, 4MB Video, Win'95, Li-Ion 3179

Chembook 9750:
- P-166MMX, 16MB, 1.4GB, 20X CD, 12.1" TFT, Win'95, Li-Ion 2279
- P-200MMX, 32MB, 1.4GB, 16X CD, 13.3" TFT, Win'95, Li-Ion 2719

Chembook 9780:
- Tillamook Ready P-166MMX, 16MB SDRAM, 2.1GB, 20X CD, 12.1" TFT, SVGA, Win'95, Li-Ion 2375
- Tillamook Ready P-233MMX, 32MB SDRAM, 2.1GB, 20X CD, 14.1" TFT, XGA, Win'95, Li-Ion 4075

DFI

6600:
- P-150, 16MB, 1.4GB, 10X, 12.1" DSTN, Win'95 . 1770
- P-166MMX, 16MB, 2.1GB, 20X CD, 11.3" TFT, Win'95 2115

*8120: P-200MMX, 32MB, 2.4GB, 20X CD, 33.6 modem, 12.1" TFT, Video Capture, Win'95, Li-Ion, Targus Bag ..... *(2690)*
8241: P-200MMX, 32MB, 2.1GB, 20X CD, 33.6 modem, 14.2" TFT, Win'95, Li-Ion, Targus Bag 3679

FUJITSU

Lifebook 535TX: P-133MMX, 16MB, 2GB, 20X CD, 33.6 modem, 12.1" TFT 2430
Lifebook 555TX: P-150MMX, 16MB, 2GB, 10X CD, 33.6 modem, 12.1" TFT 2595
Lifebook 565TX: P-166MMX, 32MB, 2GB, 20X CD, 33.6 modem, 12.1" TFT 3900
Lifebook 585TX: P-233MMX, 32MB, 4GB, 20X CD, 33.6 modem, 12.1" TFT, Win'95 4399
*Lifebook 655TX: P-150MMX, 16MB, 1.3GB, 33.6 modem, 12.1" TFT ..... *(3214)*
Lifebook 735DX: P-133MMX, 16MB, 1.6GB, 20X CD, 56k modem, 12.1" DSTN, Win'95 1799
Lifebook 755TX: P-150MMX, 32MB, 2GB, 20X CD, 56k modem, 12.1" TFT, Win'95 2595
Lifebook 765TX: P-166MMX, 32MB, 3.2GB, 20X CD, 56k modem, 12.1" TFT, Win'95 3295

HITACHI

MX-166T: P-166MMX, 16MB, 2.1GB, 8X CD, 33.6 modem, 10BT, 12.1" TFT 2615
VisionBook Elite: P-166MMX, 16MB, 2.1GB, 10X CD, 56k modem, 13.3" TFT 4375
VisionBook Plus: P-150MMX, 16MB, 2.1GB, 20X CD, 33.6 modem, 12.1" TFT, Win'95 2385
VisionBook Plus: P-166MMX, 16MB, 2.1GB, 10X CD, 33.6 modem, 12.1" TFT, Win'95 2865
VisionBook Pro: P-133MMX, 16MB, 1.4GB, 10X CD, 56k modem, 12.1" TFT, 10BT, Win'95 2545
VisionBook Pro: P-166MMX, 32MB, 3GB, 10X CD, 56k modem, 10BT, 13.3" TFT, Win'95 4599
VisionBook Pro: P-233, 32MB, 3.2GB, 20X CD, 56k modem, 13.3" TFT, Win'95 5315

HP

Authorized Reseller

LAPTOP:

Omnibook 800CT/166MMX (F1360A): 16MB, 2GB, 10.4" TFT 3795
Omnibook 2000CS/133 (F1371A): 16MB, 1.34GB, 12.1" DSTN 1939
Omnibook 2000CT/133MMX (F1373A): 16MB, 1.86GB, 12.1" TFT 2565
Omnibook 3000CTX/200MMX (F1391A): 16MB, 2.1GB, 13.3" TFT, XGA, Win'95, Li-Ion .. 4015
Omnibook 3000CTX/233MMX (F1392A): 16MB, 4GB, 13.3" TFT, XGA, Win'95, Li-Ion 4999
Upgrades for 3000CTX:
- 16MB module (F1363A) 140
- 20X CD Rom (F1387A) ..... Call
- Port Replicator (F1381A) ..... Call
- Zip Drive Internal (F1388A) 285

Omnibook 5700CT/150MMX (F1352A): 16MB, 2GB, 12.1" TFT 2859
Omnibook 5700CT/166MMX (F1353A): 16MB, 2GB, 12.1" TFT 3139
Upgrade for 2000/ 5500/ 5700:
- 10X CD Rom (F1347A) 299

PALMTOP:

200LX 80 column 4MB (F1216A) 545
*320LX 640x240 4MB (F1221A) ..... *(525)*
Accessories:
(F1218A) AC Adapter 29.99
(F1223A) Synch Cable 16
(F1224A) Spare Cable 32
(F1225A) Stylus 12
(F1227A) Leather Case 68
2MB CF Card / w. Adapter 79/99
4MB CF Card / w. Adapter 119/149

IBM

TP380D: P-150MMX, 16MB, 2.1GB, 8X CD, 12.1" TFT 2645
TP380ED: P-166MMX, 16MB, 3GB, 8X CD, 12.1" TFT 3400
TP560: P-133, 8MB, 2.1GB, 12.1" TFT 2545
*TP560: P-133, 8MB, 2.1GB, 11.3" DSTN, Case ($50 Rebate - ask for details) ..... *(1599)*
TP560E: P-150MMX, 16MB, 2.1GB, 11.3" DSTN 2240
TP760EL: P-133, 16MB, 2.1GB, 12.1" TFT, Win'95 4645
TP760XD: P-166MMX, 32MB, 3GB, 8X CD, 28.8 modem, 12.1" TFT 4795
TP760XL: P-166MMX, 16MB, 2.1GB, 12.1" TFT 3899
TP765D: P-166MMX, 32MB, 3GB, 8X CD, 28.8 modem, 13.3" TFT 5650
TP770: P-200MMX, 32MB, 3.2GB, 13.3" TFT, XGA 4999

PSION

Palmtop Series 5 w. 4MB / 8MB 529/635

SCEPTRE

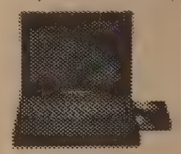
S3900: 8MB, 1.3GB, 11.3" DSTN, Win'95, w. P-133 / P-150 ..... 1399/1555
S4200: 8MB, 1.3GB, 10X CD, 12.1" TFT, Win'95, Li-Ion, w. P-133 / P-150 ..... 2185/2219
Upgrade for S4200:
- 2GB Hard Drive 75

S4500: P-166MMX, 16MB, 12XCD, 33.6 modem, 12.1" TFT, Li-Ion, w. 1.3GB / 2GB 2885/2945
S5500: MMO P-233, 16MB, 1.3GB, 13.3" TFT 3815

TOSHIBA

Libretto 50CT: P-75, 16MB, 810MB, 10.6" TFT 1535
Portege 300CT: P-133MMX, 32MB, 1.5GB, 10X CD, modem, 11.3" TFT, Win'95 2995
*Portege 660CDT: P-150, 16MB, 1.35GB, 10X CD, 28.8 modem, 11.3" TFT ..... *(2699)*
Satellite 220CDS: P-133, 16MB, 1.4GB, 10X CD, 12.1" DSTN 2150
Satellite 440CDX: P-133MMX, 16MB, 1.35GB, 10X CD, 12.1" FSCAN 1999
Satellite Pro 440CDT: P-133MMX, 16MB, 1.4GB, 10X CD, 12.1" TFT 2699
Satellite Pro 460CDT: P-166MMX, 32MB, 2.02GB, 10X CD, 33.6 modem, 12.1" TFT 3270
Tecra 500CDT: P-120, 16MB, 1.2GB, 6X CD, 28.8 modem, 12.1" TFT 2475
Tecra 510CDT: P-133, 16MB, 2.1GB, 10X CD, 28.8 modem, 12.1" TFT 2950
Tecra 520CFT: P-166MMX, 32MB, 2GB, 10X CD, modem, 12.1" TFT, Win'95 3695
Tecra 530CDT: P-166MMX, 32MB, 2GB, 10X CD, modem, 12.1" TFT, XGA, Win'95 3945
Tecra 730CDT: P-150MMX, 16MB, 2.1GB, 6X CD, 28.8 modem, 12.1" TFT 3099
Tecra 740CDT: P-166MMX, 16MB, 3GB, 10X CD, 28.8 modem, 13.3" TFT 4450
Tecra 750CDM: P-233MMX, 32MB, 4.7GB, 20X CD, modem, 13.3" TFT, 4MB SGRAM, Win'95 5399
Tecra 750CDT: P-233MMX, 32MB, 4.7GB, 20X CD, modem, 13.3" TFT, XGA, Win'95 5099
Tecra 750DVD: P-233MMX, 32MB, 4.7GB, DVD Video, modem, 13.3" TFT, 4MB SGRAM, Win'95 5799

TWINHEAD



Slimnote 9133T: P-133, 16MB, 10X CD, 1.3GB, 33.6 modem, 12.1" TFT, Win'95, Li-Ion 2285
Slimnote 9133T: P-133, 2.1GB, 10X CD, 33.6 modem, 12.1" TFT, Win'95, Li-Ion, w. 16MB / 32MB 2359/2513
Slimnote 9166TH: P-166MMX, 32MB, 2.1GB, 10X CD, 1024x768, 12.1" TFT, Win'95, Li-Ion 2745
Slimnote 9166TZ: P-166MMX, 32MB, 2.1GB, 10X CD, 12.1" TFT, Win'95, Li-Ion 2485
Slimnote 9T133CZ: P-133, 16MB, 1.4GB, 20X CD, 12.1" DSTN, Win'95, Ni-MH 1895
Slimnote 9T166CZ: P-166, 16MB, 1.4GB, 20X CD, 12.1" DSTN, Win'95, Ni-MH 2035
Upgrades for 9T133CZ & 9T166CZ:
- 16MB RAM 95
- fr. 1.4GB to 2.1GB (w. purchase of notebook) 85

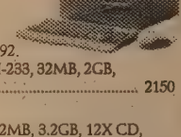
Slimnote EX200TG: P-200, 32MB, 2.1GB, 20X CD, 1024x768, 13.3" TFT, 4MB VGA, Win'95, Li-Ion 3365
Slimnote EX233TG: P-233, 32MB, 2.1GB, 20X CD, 1024x768, 13.3" TFT, 4MB VGA, Win'95, Li-Ion 3595

US ROBOTICS

*Palm Pilot Personal 512k ..... *(235)*
*Palm Pilot Professional 1MB ..... *(339)*
Accessories:
(10101U) Slim Leather Case 25
(10103U) Deluxe Leather Case 58
(10108U) Pen 3-pk 7.99
(10109U) Cradle for Windows 29
(10117U) Belt Crib Case 24

DESKTOP SYSTEMS

AST



Bravo MS5166M 2000C/95: P-166MMX, 32MB, 2GB, 16X CD, Win'95 . . . 155
Bravo MS5200 3000C/95: P-200MMX, 32MB, 3GB, 16X CD, Win'95 . . . . . 192.
Bravo LC6233 2000C/95: PII-233, 32MB, 2GB, 16X CD, Win'95 2150

DIGITAL

Celebris FX2: P-200MMX, 32MB, 3.2GB, 12X CD, Win'95 1999
Prioris XL 6200: Pro-200, 32MB, 2GB, 12X CD, Win'95 2750
Venturis FX2: P-166, 16MB, 2GB, 12X CD, Win'95 1195

HP

Vectra (D4731A): P-166MMX, 16MB, 2.5GB, 16X CD, Win'95, 3-yr warranty 1265
Vectra (D4737A): P-200MMX, 32MB, 3.8GB, 16X CD, Win'95, 3-yr warranty 1745
Vectra XA (D5374N): P-233MMX, 32MB, 2.5GB, 8X CD, 10BT, Win NT 4.0, 3-yr warranty 2249

IBM

300GL: P-166, 16MB, 2.5GB, 16X CD, Win'95 1145
300XL: PII-233, 32MB, 2.5GB, 16X CD, Win'95 .. 2050
300XL: PII-266, 32MB, 4.3GB, 16X CD, Win NT . 2650

NO Returns, Only Satisfaction Warranty from Manufacturers.

**(sale price) ..... SPECIALS, limited to stock on hand*
Prices subject to change without notice.

http://www.centralcomputer.com for current prices & product catalog

C3765A: Envelope Feeder for 5Si 379
C3918A: Postscript for 5/ 5N 335
C3920A: Duplex for 5/ 5N/ 5M 475
C3921A: 500 Sheet Feeder for 5 225
C3927A: Power Envelope Feeder for 5 259
*C4533A: Color for 600 ..... *(39)*

HP Ink Cartridges:
HP51625A: Color for 500C/ 550C/ 560C 26.95
HP51626A: Black for 500/ 540/ 560 ..... 24.45
HP51629A: Black for 600/ 660 ..... 24.95
HP51640A: Black for 1200C 23.95
HP51640C: Cyan for 1200C 27.95
HP51640M: Magenta for 1200C 27.95
HP51640Y: Yellow for 1200C 27.95
HP51641A: Color for 870C/ 855C/ 1600C 28.95
HP51645A: Black for 870C/ 855C/ 1600C 26.95
HP51649A: Color for 660C 29.25
HPC3102A: Cyan for Color Laser Jet 32.95
HPC3103A: Yellow for Color Laser Jet 32.95
HPC3104A: Magenta for Color Laser Jet 32.95
HPC3105A: Black for Color Laser Jet 7.95

HP Paper:
92296T: Transparency Film for Laser Jet, Letter, 50 sheet 17.95
C1812A: Greeting Card, Letter, 20 sheet 7.95
C1846A: Photo Paper, Letter, 20 sheet 9.95
C2974A: Glossy, Letter, for 5/ 5M, 50 sheet 39.95
C3850A: Opaque Bond, 36"x150' roll 24.95
C3877A: Coated Paper, 36"x150' roll 39.95
C5973A: Premium Glossy, Letter, 25 sheet 21.95
C5976A: Bright White Inkjet, Letter, 200 sheet 5.95

HP Toner Cartridges:
HP92274A: for 4L/ 4ML/ 4P 65
HP92275A: for IIP/ IIP+/ IIIP 74
HP92291A: for IIISi/ 4Si/ 4SiMX 129
HP92295A: for II/ IID/ III/ IIID 75
HP92298A: for 4/ 4M/ 4+/ 4M+/ 5/ 5M/ 5N 89
HPC3900A: for 4V/ 4MV 139
HPC3903A: for 5P/ 5MP/ 6P/ 6MP 75
HPC3906A: for 5L/ 5ML/ 6L 59
HPC3909A: for 5Si/ 5SiMX 179

IBM (NETWORK PRINTER)
#4312001: Laser, 600dpi, 4MB, 12ppm 1025
#4317001: Laser, 600dpi, 4MB, 17ppm 1365
#4324001: Laser, 600dpi, 4MB, 24ppm 2345

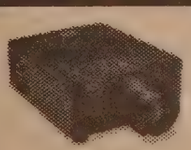
LEXMARK
Optra C Color, 600dpi, Postscript, 8MB, 3ppm .. 4495
Optra E 600dpi, 1MB, 6ppm 395
Optra S1250 1200dpi, 4MB, 12ppm 1045
*- with LAN (S1250N) ..... *(1245) 1299*
Optra S1650 1200dpi, 4MB, 16ppm 1295
- with LAN (S1650N) 1545
Optra S2450 1200dpi, 4MB, 24ppm, 1250 sheet ... 2295

NEC
Superscript 860 Laser 389

OKIDATA
SALE
ML184T 9-pin, Par, 300cps, max. 5 copies 235
*ML320T 9-pin, 290cps, max. 5 copies ..... *(325)*
ML390T 24-pin, 312cps, for Win & Win 32 345
*ML520 9-pin, 430cps ..... *(385)*
ML590 24-pin, 450cps, max. 5 copies 449
ML591 24-pin, Wide, max. 5 copies 625
*OkiPage 4W Laser, 4ppm ..... *(199)*
OkiPage 6E 600dpi, 6ppm 299
*OkiPage 6EX 600dpi, 2MB, 6ppm ..... *(409)*
OkiPage 16N Laser, 600dpi, 16ppm 889
*OL600E Laser, 600dpi, 6ppm ..... *(295)*
OL610E Laser, 600dpi, 2MB, 6ppm 485
*OL810E Laser, 600x1200dpi, 8ppm ..... *(565)*
*OL1200 Laser, 600dpi, 2MB, 12ppm ..... *(949)*

SEIKO
Smart Label Printer EZ30 145
Smart Label Printer Pro 235
Standard Label (2 rolls) 7.95

17. PROJECTOR

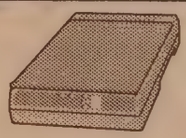


3M
Overhead M9100 AJB 289
Overhead M9200 AJC 399
Overhead M9550 AJH 615
Overhead M9700 AJJ 499

NEC
Projectors ..... Call

PROXIMA
Desktop DP5100 LCD 3499
Desktop DP5500 LCD 640x480, Zoom 4599
Ovation 810 8.4" LCD, 2M color, 640x480 1665
Ovation 944 10.4" LCD, 16.7M, 1280x1024 6395
Ovation+ 840 8.4" LCD, 16.7M, 800x600 2195
Ovation+ 846 10.4" LCD, 16.7M, 800x600 2695
Portable Overhead A653 3000 Lumens 475
Portable Overhead A655 4000 Lumens 799

18. SCANNER



ACER
*AcerScan 310S 30-bit ..... *(135)*

COMMAX
Imager 730 30-bit 960dpi Parallel Port 119

HEWLETT PACKARD
*ScanJet 6100 (C6267A) ..... *(699) 745*
*- Auto Document Feeder (C6265A) ..... *(455)*
- Transparency (C6261A) 599
*ScanJet 5P ..... *(275)*

MICROTEK
*Scan Maker III w. TMA & Photoshop OCR ..... *(1399)*
*Scan Maker E3 600dpi, 24-bit color, OCR ..... *(135)*
*Scan Maker E6 1200dpi, OCR ..... *(269) 285*
Scan Maker E6Pro 1200dpi, Photoshop COR 499
Scan Maker V300 Parallel 145
Slide Maker 35T 1800dpi, 16.8M color 725
Auto Document Feeder ADF600 365
Color Pagewiz for Win, 24-bit 159
Transparency Adapter for E3 / E6 ..... 285/285

STORM TECH
*Easy Photo Reader Parallel ..... *(115)*
*Easy Photo Smart Page ..... *(149)*

UMAX
*Astra 610P Win ..... *(139)*
*Astra 610S Photo Deluxe ..... *(149)*
*Astra 1200S Win Deluxe ..... *(279)*
*Astra 1200S Win PS ..... *(525)*

19. TAPE BACKUP

AIWA
GD-B8000 8GB DDS-2 4mm SCSI Int 649
TD-S3200 TR-3 3.2GB Int 145

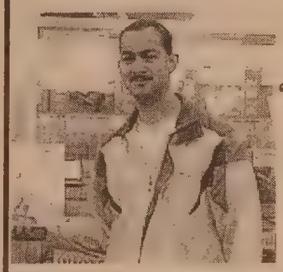
EXABYTE
*Eagle TR3 603003-004 3.2GB Int ..... *(145)*
EXB-8205XL 8mm Dat. 3.5-7GB Int 1275
EXB-8205XL 8mm Dat. 3.5-7GB Ext 1499
EXB-8505XL 8mm Dat. 7-14GB Int 1850
EXB-8505XL 8mm Dat. 7-14GB Ext 2095
EXB-8700E 8mm 7-14GB Ext Drive 925
EXB-8700LT 8mm 5-10GB Ext Drive 675

HEWLETT PACKARD
*C1534 4mm Dat. 2GB SCSI Int Drive ..... *(549)*
- w. Int Kit (C1525G) / Ext Kit (C1520G) 725/845
*C1536 4mm Dat. 2-4GB SCSI Int Drive ..... *(595)*
- w. Int Kit (C1526G) / Ext Kit (C1521G) 769/895
C1554 Dat. 24GB DDS-3 Int 1045
- w. Int Kit (C1555A) / Ext Kit (C1556A) . 1399/1545
C1599 Dat. 8GB DDS-2 Int 765
- w. Int Kit (C1528G) / Ext Kit (C1529G) ... 965/1095
C5644B Surestore T4i 4GB Int 359
C5645A Surestore T4e 4GB Ext 459

iomega
2GB Tape - Single / 3-pk 19.95/57
Ditto 3200MB (QIC 3010/3020) Int w. cartridge ... 209
Ditto 3200MB (QIC 3010/3020) Parallel w. cart ... 239

NOVASTOR
*Novaback 4-in-1 for Win'95 & NT (software) ..... *(59)*

Seagate
SALE
*CNR-4324RP 2-4GB SCSI Int 5.25" ..... *(499)*
*CNR-4326RP 8GB 4mm SCSI w. 5.25" rail ..... *(665)*
Tape Stor 420MB w. cartridge Int 139
Tape Stor 800MB Travan w. cartridge Int 139



This ad is right when it says "Wide Selection at Low Prices", but they've left out "Friendly Services".

Carlton Craighead - Bitworks Consulting

Software (Arcada):
Back Up for Win'95 65
Back Up Exec for Netware Workstation 7.0 98
Back Up Exec for Netware Enterprise 7.11 845
Back Up Exec for Netware Server 7.5 435
Back Up Exec for Netware 1 Server 25-user 315
Back Up Exec for Win NT Workstation 189
Back Up Exec for Win NT Enterprise 7.0 839
Back Up Exec for Win NT Server 7.0 429

SONY
LanBacker 7000: 8GB DDS-2 w. ArcServe Serve Int / Ext 1095/1175
WanBacker 7000: 8GB DDS-2 w. ArcServe Enterprise Int / Ext 1695/1795
WanBacker 9000: 24GB DDS-3 w. ArcServe Enterprise Int / Ext 2150/2175

TAPE CARTRIDGES:

3M - 4mm 90M 7.50
- 8mm 112M 6.95
- MC3000XL (680MB) 26.50
- Travan TR-1 (800MB) 24.95
- Travan TR-3 (1600MB) 29.95
- Travan TR-4 (1600MB) 31.95
EXABYTE - 8mm 112M, 5GB 9.95
- 8mm 160MXL (for XL drives) 15.95
- 18C 8mm Cleaning Cartridge 19.95
- EXMC3000XL (1GB) 26.95
- MC3000XL (680MB) 21.95
HP - 92283B: 4mm 90M (2GB) / 5-pk 7.50/35
- 92283K: 4mm Cleaning Tape 2-pk 21.95
- 92300A: 4mm 120M (4GB) / 5-pk 12.95/59
- C1517A: 4mm 125M DDS-3 (12GB) 27.99
- C1572A: 4mm 120M Autoloader 119
- Travan for DT-1000 / 2-pk / 3-pk 29.95/54.95/82
*MAXELL - 4mm 90M Dat. ..... *(7.99)*
- DC2120 (QIC80) 9.95
- DC2120XL (350MB) 16.95
SONY - 4mm 120M for DDS 25.95
- 4mm 90M for DDS-1 ..... 8.95
- QIC-Wide 3010 (850MB) 24.95
- QIC-Wide 3020 (1.7GB) 27.95

20. VGA CARDS

ATI
*3D Expression Plus 4MB PCI, PC2TV ..... *(119)*
*3D Pro Turbo 4MB PCI, PC2TV ..... *(169)*
*3D Pro Turbo 8MB PCI, PC2TV ..... *(225)*
*All-in-1 Wonder 4MB PCI ..... *(239)*
Xpert@Play PCI w. 4MB / 8MB 195/245
Xpert@Work PCI w. 4MB / 8MB 179/235

ASUS
V3000 4MB AGP 159

DIAMOND
*Fire GL 1000 Pro 8MB PCI oem ..... *(215)*
Monster 3D 4MB PCI oem / reg 159/189
*Stealth 3D 2000XL 4MB PCI ..... *(99)*
Stealth 3D 3000XL 4MB PCI oem / reg 159/185
Stealth II 3D 4MB PCI oem 109
Stealth 2500 DRAM PCI w. 1MB / 2MB 45/59
Stealth Video 64 2MB VRAM PCI oem 109
*StealthVideo 64 4MB VRAM PCI reg ..... *(139)*
*Viper V330 4MB AGP oem ..... *(175)*
*Viper V330 4MB PCI oem ..... *(175)*

HERCULES
*Stingray 128 3D 8MB EDO reg ..... *(249)*

IMS
Twinturbo 128P VRAM PCI 2MB / 4MB 195/265

LEADTEK
WinFast 3D L2300 8MB AGP 249
WinFast 3D L2300 8MB PCI 229

matrox
Millennium II 4MB AGP oem 185
Millennium II 4MB PCI oem 175
*Millennium II 4MB PCI reg ..... *(179) 195*
*Millennium II 8MB PCI oem / reg ..... *(255/285)*
Mystique 220 2MB PCI reg 109
Mystique 220 4MB PCI oem / reg 119/139
Rainbow Runner (for Mystique) 189
M3D 4MB 99

NUMBER NINE
*Imagine 128 Series II 4MB EDO PCI ..... *(189)*
Revolution 3D 128 4MB AGP reg 289
Revolution 3D 128 4MB PCI reg 289
Revolution 3D 128 8MB AGP reg 369
Revolution 3D 128 8MB PCI reg 369

SPIDER
*Tarantula 64 MKII 2MB VRAM PCI ..... *(75)*

OTHERS
Boca Voyage Movie Player Accelerator 285
Canopus Pure 3D 6MB 189
InterGraph Intense 3D Voodoo 6MB 225
Movie Plus 1100 MPEG Decoder 199
STB Velocity 128 AGP (no TV) 179
Trident 8900 1MB ISA 45
Trident 9680 1MB PCI 39
Tvator Pro PC/Mac VGA to NTSC Scan Converter 119
Tvator Remote Pro VGA to NTSC Scan Converter 289
V-Mate Pro (video encorder PC to TV) 189

Conferencing & Video:
*AGFA Ephoto 307 Digital Camera ..... *(295)*
Casio QV-100 640x480 Camera 599
Epson Photo PC Color Digital Camera 245
Epson Photo PC-500 Digital Camera 359
*- w. Photo Pix LCD Monitor ..... *(475)*
Howard Video Camera 295
Intel Smart Video Recorder III 189
Internet Videophone + Video Capture 135
*Kodak DC20 Digital Camera ..... *(175)*
*Kodak DC25 Digital Camera ..... *(275)*
*Kodak DC50 Digital Camera Zoom Lens ..... *(475)*
Kodak DC300 Video Camera 169
Quick Cam for Win / Quick Cam 2 Color 99/225
Sony Mavica MVCFD-5 Digital Camera 489
Sony Mavica MVCFD-7 w. Zoom 685
Snappy 2.0 (video snapshot) 195
USR: Big Picture Camera + Capture 229
USR: Big Picture Video (capture + modem) 225
USR: Big Picture Video Kit + Camera 349

SOFTWARE

PC SOFTWARE

ADOBE
Acrobat 3.0.1 189
Acrobat Capture 2.0 559
*FrameMaker 5.11 for Win 32 (special) ..... *(299)*
FrameMaker 5.5 745
Illustrator 7.0 for Win 32 365
PageMaker 6.5 for Win 32 / (special) ..... 545/*(295)
Photoshop 4.0 / (special) ..... 549/*(399)
*Premier 4.2 for Win - FD / CD ..... *(499)*

AUTODESK
Animator Studio 1.1 249
AutoCAD Lite 2.0 for Win / Win'95 ..... *(255)/409
Autosketch 2.1 for Win & Win'95 89

*(sale price) ..... SPECIALS, limited to stock on hand
Prices subject to change without notice.

http://www.centralcomputer.com for current prices & product catalog

BORLAND
- C++ 5.0 for Dos, Win & Win 32 - CD ... 325
- C++ 5.0 Developer Suite ... 425
- C++ Builder 1.0 Standard / Professional ... 89/525
- *Delphi Developer 2 Kit / upgrade* ... *(395/255)
- Delphi 3 / upgrade ... 499/249
- *Paradox 5.0 for Win* ... *(99)
- Paradox 7.0 for Win'95 & NT ... 265
- Turbo Assembly 5.0 for Win'95 ... 115
- Visual dBase 5.5 for Win & Win'95 ... 269

COREL
- Corel Draw 4.0 (2CD) oem / reg ... 29/69
- *Corel Draw 5.0 for Win 3.11 - CD* ... *(195)
- *Corel Draw 6.0 for Win'95 - CD oem / reg* ... *(59/245)
- *Corel Draw 7.0 for Win'95 & NT* ... *(399)
- Corel Flow / Corel Flow 3 ... *(59)/129
- Corel Perfect Suite Prof. - CD ... 275
- Corel XARA ... 179
- Lumiere Suite ... 69
- Ventura 7 for Win'95 - CD ... 549
- Wordperfect Suite 8.0 for Win'95 oem / reg ... 59/325

DELRINA
- *Comm Server* ... *(39)
- *Comm Suite 2.1* ... *(65)
- *Cyberjack 7 for Win'95* ... *(29)
- *WinFax Pro 4.1 for Network 10-user* ... *(499)

IBM
- Anti-Virus Desktop 2.52 oem ... 24
- OS/2 Warp 4.0 Single - WS / Server ... 195/539
- Via Voice for Win 32 ... 89
- Voice Type Simply Speaking 3.0.2 for Win'95 ... 49.95
- Voice Type Simply Speaking Gold for NT ... 89.95

INTUIT
- Quick Basic '98 ... 45
- *Quicken 6.0* ... *(35)
- Quicken Deluxe '98 - CD ... 59.95
- *Quicken Family Lawyer - CD* ... *(39)
- Quicken Financial Suite '98 oem / reg ... 33/86.95
- Quickbook 5.0 / Professional 5.0 ... 97/185

Lotus
- 1-2-3 5.0 for Win / competitive upgrd ... 299/*(75)
- *1-2-3 97 for Win 32 / upgrade* ... *(269/89)
- cc:Mail 6.1 Systems Pack Server ... 134
- cc:Mail 8.0 Advanced System Pack ... 465
- cc:Mail 8.0 Client for Win 32 ... 135
- cc:Mail Mobile E-Mail 7.0 for Win'95 & NT ... 115
- Organizer 97 for Win'95 ... 75
- *Smart Suite 97 for Win 32 oem / reg* ... *(45/325)

MICROGRAFX
- ABC FlowCharter 4.0 ... 299
- ABC Graphics Suite Live 6.0 - CD ... 275
- Designer Power Pack - CD ... 335
- Designer Tech Live 4.1 - CD ... 399
- FlowCharter Live 7.0 - CD ... 279
- Graphic Suite #2 for Win'95 ... 315
- Picture Publisher Live 5.0 - CD ... 135
- Web Tricity ... 135

Microsoft
- Access 97 / upgrade ... 299/99
- Access Developer's Kit for Win'95 ... 459
- Back Office 2.5 Client 5-user ... 1199
- Back Office Resource Kit pt.1 / pt.2 ... 59/95
- Back Office Server 2.5 ... 2295
- Excel 97 / upgrade ... 299/95
- Exchange Server 5.0 - 5 Client / 10 Client ... 899/1245
- Frontpage 98 ... 135
- Home Essential 98 upgrade ... 94
- Office Prof. 97 + Bookshelf - CD ... 529
- Office 97 Small Business Edition ... 449
- Office 97 Standard ... 445
- PC Mail Server 3.5 10-user ... 445
- Picture-It 2.0 for Win'95 ... 47
- *Power Point 7.0 / upgrade* ... *(299/98)
- Project 98 for Win'95 ... 445
- Proxy Server ... 925
- Publisher 97 Deluxe - CD ... 69.95
- Services for Netware (add-on for Win NT 4.0) ... 145
- SNA NT Server 5-user ... 395
- SNA NT Workstation ... 199
- SQL NT Server 6.5 5-user ... 1299
- SQL NT Workstation 6.5 ... 475
- SQL Server Internet Connection ... 2795
- System MGMT Server - 5 / 10 Client ... 825/1045
- Visual Basic Enterprise 5.0 ... 1095
- Visual Basic Professional 5.0 ... 449
- Visual C++ Enterprise 5.0 ... 1089
- Visual C++ Professional 5.0 ... 455
- Visual Fox Pro Professional 5.0 / upgrd ... 449/235
- Visual Fox Pro Standard 3.0 for Win ... 189
- Visual InterDev ... 459
- Visual J++ Pro ... 87
- Visual Source Save 5.0 / upgrade ... 475/95
- Visual Studio Professional ... 925
- *Windows '95* ... *(179)
- *- upgrade FD / CD* ... *(89.95) ea.
- Windows for Workgroups ... 135
- *Win NT 4.0 Server 5-user / 10-user* ... *(695/995)
- Win NT 4.0 Workstation - CD ... 285
- Word 97 / upgrade ... 299/78

QUARTERDECK
- Cleansweep 3.0 for Win'95 ... 38
- *Hijaak Professional 4.0 for Win'95* ... *(89)
- Internet Suite 2.0 ... 37
- MagnaRam 2.0 for Win 3.11 & Win'95 ... 24
- Procomm Plus 4.0 for Win'95 - CD ... 119
- Qemm 8.0 for Win'95 ... 63
- Total Web ... 86
- Web Author 2.5 for Win'95 ... 45
- Web Compass 2.0 ... 46
- Zip-It for Win'95 ... 37

SYMANTEC
- ACT! 3.0 for Win'95 & NT ... 175
- C++ 7.5 for Win'95 & NT ... 69
- For Your Eyes Only ... 75
- Norton Adminstrator Suite 10-user ... 525
- Norton Anti-Virus Deluxe 4.0 ... 67
- *Norton Anti-Virus 4.0 for Multi-Platform* ... *(49.95)
- *Norton Desktop 3.0 for Win oem / reg* ... *(45/99)
- Norton Disklock 3.5 for Dos / Win - CD ... 79
- Norton Healthy PC ... 28
- Norton NT Tools ... 47
- Norton PC Handyman ... 48
- Norton Utilities '95 v2.0 ... 69.95
- Norton Utilities 8.0 for Dos & Win ... 79
- PC Anywhere Remote & Host 8.0 Win'95 & NT ... 135
- Visual Cafe 2.0 for Win'95 & NT ... 89
- Visual Cafe 2.0 Database Development ... 459
- WinFax Pro 8.0 for Win'95 - CD ... 95

CD TITLES

NEW ARRIVALS
- Animaniacs Game Pack ... 23
- Armored Fist 2 ... 52
- Broken Swork - the Smoking Mirror ... 39.95
- Casper Activity Center (age 3-7) ... 22
- Chasm - the Rift ... 32
- Complete National Geographic (30-CD Set) ... 155
- Crayola Color a Story (age 5+) ... 29
- Crayola Magic Wardrode (age 6-12) ... 29
- Crayola Print Factory (age 5-10) ... 31
- Domination Pack (Command & Conquer bundle) ... 61
- Game Vault vol.1 ... 32
- Heroes Compendium ... 42
- Hexen Bundle - Tower of Darkness ... 32
- Hot Spots (United Nations game) ... 29.95
- Let's Go Read (age 4-6) ... 41
- Millie & Bailey Kindergarten (age 4-6) ... 31
- Millie & Bailey Pre-School (age 3-5) ... 31
- Monopoly Star Wars ... 49.95
- Nascar Grand National Series Expansion ... 32
- Nightmare Ned (by Disney, age 6+) ... 38
- Panzer General II ... 45
- Realms of Arkania Trilogy ... 37
- Temujin ... 43
- Terricide ... 37.95
- Uprising ... 43
- Virtual Surgeon - Open Heart ... 45
- World Book '98 Deluxe (encyclopedia) ... 65
- Young Dilbert Hi-Tech Hijinks (age 5+) ... 33
- Zork Grand Inquisitor ... 49.95

BRODERBUND
- 3D Home Architech ... 58
- Arthur's Reading Race (age 3-7) ... 32
- Click-Art 40,000 Starter Image Pak ... 24
- Handwritten Font ... 36
- Incredible 65,000 Image Pak ... 52
- *Just Grandma & Me MPC & MAC* ... *(24)
- *Kid Pix Studio* ... *(29)
- Learn the Art of Magic ... 36
- Orly's Draw-a-Picture ... 34.99
- Printshop Live Mail ... 33
- Printshop Premier 5.0 ... 52

Microsoft (HOME SERIES)
- A Bridge Too Far ... 46
- Bookshelf 98 ... 45
- Cinemania 97 for Win'95 oem / reg ... 14/29
- Encarta 98 / Deluxe ... 46/69
- Expedia Streets 98 / Deluxe ... 45/64
- Expedia Trip Planner 98 ... 37
- Explorapedia - World of Nature oem / reg ... 19/29
- Explorapedia - World of People ... 29
- Fine Artists (age 8-14) ... 29
- Flight Simulator 98 ... 49.95
- Fury 3 ... 38
- *Golf 3 oem* ... *(14)
- Goosebumps ... 38
- Greetings Workshop Deluxe 2.0 ... 42
- Julia Child Home Cooking oem / reg ... 19/29
- *Magic School Bus - Human Body* ... *(35)
- Magic School Bus - Ocean ... 37
- Money 98 Financial Suite ... 46
- Music Central 96 oem / reg ... 14/19
- NBA Full Court Press ... 37
- *Space Simulator* ... *(39.95)
- Ultimate Robot ... 29
- Wine Guide oem ... 19

WALNUT CREEK
- Ada CD Rom (Mar'97) ... 21
- C/C++ User Group Library (Aug'97) ... 26
- CICA for NT (Apr'97) ... 22
- CICA Shareware for Win'95, 3.1 & NT (Feb'97) ... 14
- Delphi Toolkit (Apr'97) ... 22
- Free BSD 2.2.1 (Apr'97) ... 22.95
- G N U for Unix (Apr'97) ... 23
- Jolt Games (Feb'97) ... 19
- Linux Toolkit 6CD (Jun'97) ... 21
- Linux Slackware 3.3 (July'97) ... 18
- Math Toolkit (May'97) ... 22
- PERL (May'97) ... 22
- Project Gutterburg (Mar'97) ... 18
- Python Toolkit (Jun'97) ... 22
- QRZ Ham Radio vol.9 (Apr'97) ... 14
- Scientific & Technology Library (May'97) ... 23

REFERENCE

ART
- 3D Fonts ... 13
- 101 Dalmations Print Studio ... 25
- Christian Diese Lassen - Master Artists of the Sea ... 29
- Disney's Magic Artist ... 37
- Expert: Kids Fonts ... 15
- Hercules Print Studio ... 24
- Orgami - Paper Art vol.1 ... 16
- Painters Painting ... 26
- Priintmaster Gold 4.0 Bonus Pack ... 22
- Ray Dream Studio (Fractal Design) ... 37
- Water Color My Way (Jack Reid) ... 19.95
- Winnie the Pooh Print Studio ... 25
- Wishbone Print Tricks ... 24

ATLAS / TRAVEL
- 3D Atlas '97 ... 29.99
- Compton's World Atlas '97 ... 14
- Exploring America's National Park ... 14.99
- Himalayas Mountains ... 29
- Key Master Maps ... 28
- Precision Mapping Streets 3.0 ... 45
- See the World by Train ... 29.95
- Street Atlas 4.0 for Win & Win 32 ... 42
- Walt Disney World Explorer ... 38.95
- World Atlas + Almanac 6.0 ... 13

BIBLE
- Bible Rom - Creation / Moses / Noah's Ark / Exodus / Joshua ... 14 each
- Bible Study & Games II ... 13
- Holy Bible for Dos / Win'95 ... 16/15.95
- Illustrated Holy Bible ... 17
- Interactive Children's Bible ... 16
- Interactive Old Testament ... 14
- King James Bible ... 11
- Multimedia Family Bible ... 12
- New Family Bible for PC & MAC ... 18
- Play n' Learn Bible II ... 13
- Proverbs Screen Saver ... 11
- Quick Verse 3.0 (King James) ... 11

COOKBOOK
- Cooking for Today - Barbecues / Pasta / Salads / Pizzas / Fish & Seafood / Stir-Fries ... 15 each
- Easy Cooking - Chinese / Thai ... 14/18
- Easy Cooing - Greek / French / Italian ... 18 each
- Great Chefs, Great Cities ... 32
- Healing Foods Cookbook ... 11
- Southern Living Cookbook ... 16
- Wines of the Wolrd oem / reg ... 14/27
- World Cuisine - Chinese / Japanese / Vegetarian / Low Fat Mexican ... 16 each

DICTIONARY / STUDY AIDS
- American Heritage Talking Dictionary ... 14
- Pro-1 Series:
  - Calculas II / Biology ... 14/14
  - Chemistry / Electronics ... 14/43
  - Fractions / Geometry ... 14/14
  - Math II / Middleschool Grammar ... 39/14
  - Physics / Probability & Statistics ... 14/14
  - Science 4CD Set / Trigonometry ... 36/14
- SAT/ ACT Deluxe '98 ... 46
- Ultimate Speed Reader ... 33
- Visual Dictionary (talking edition) ... 35.95

HISTORY
- 18th Century ... 26
- Art & Music Collector's Set (4CD0 ... 29
- Chronicle of the 20th Century ... 30.95
- Industrial Revolution ... 11
- Jerusalem ... 25
- Klondike Gold ... 32
- Starsites (ancient buildings) ... 36
- World War II Global Conflict ... 46

INTERNET

Sirius
Get Sirius for $5! 2 Months FREE.
visit our stores for details

- Great Web Art & Tools ... 22
- HTML Template Master ... 23.95
- Internet Animator ... 15
- Internet Shop Builder ... 69
- Internet Watchdog ... 22
- Oil Change oem / reg ... 27/34
- Web Graphics ... 44.95
- Web Max ... 34.95

KNOWLEDGE / INFO.
- Atomic Files ... 27
- Body Voyage (3D) ... 36
- Castle Explorer ... 25
- Civilization - Religious of the World ... 49
- Dinosaur Hunter ... 26.95
- Earth Quest ... 28.95
- Events that Change the World ... 32
- Inventor Labs ... 34
- Science Smart ... 29
- Silk Road ... 35
- *Ultimate Einstein* ... *(39)
- Unexplanied (science) ... 29

LANGUAGES
- American Sign Language 2.0 ... 45
- Chinese Partner 4.5 for Win & Win'95 ... 179
- Global French / German ... 29.95/29.95
- Japanese Partner 4.0 Standard for Win'95 ... 185
- Language Learning: Cantonese / English / French / German / Hebrew / Japanese / Korean / Italian / Mandarine / Portugese / Russian / Spanish / Tagalog / Vietnamese ... 13 each
- Wisdom Pen v2.5 + Chinese Partner Lite ... 215

SPORTS
- 3D Ultimate Golf ... 45
- FIFA Baseball Pro 98 ... 33
- Learn to Sail ... 32
- Links LS 98 ... 46
- NFL Legends Football 98 ... 41
- NHL Hockey 98 ... 38
- Olympics from Athens to Sydney ... 16
- Slope Style (skiing) ... 24
- Triple Play 98 ... 45

UTILITIES
- Auto CAD Super Library ... 15
- C/C++ Super Library ... 13
- Complete Win NT Encyclopedia ... 17
- Electronics 2000 ... 15
- Fox Pro Super Library ... 13
- Netware Super Library ... 15
- Night Owl v.21 / v.24 ... 19.95/21
- Visual Basic Source Code & Utilities ... 12
- Win'95 Tune-up Kit ... 15
- Windows 95.com (May'97) ... 19.95

4000+ CD TITLES
IN STOCK
Visit Our Stores or Website For Complete Listings

*(sale price) ... SPECIALS, limited to stock on hand
Prices subject to change without notice.*

http://www.centralcomputer.com for current prices & product catalog

Clockwise from top center: Micro Express' MicroFLEX PII/233; Hewlett-Packard's SuperStore CD-Writer Plus; the P5-55T motherboard from Arise Computer Inc.; the Gamester PC from Recompute, Inc.

Product Announcements *continued from page 156*

PCMCIA Type I and II, and CFA (Compact Flash Association) cards. ActionTec expects CameraConnect to be popular with graphic designers, Web page developers, real estate agents, contractors, and other professionals who need instant photography or need to transmit photos electronically. The card reader also streamlines data exchange between PDA's, notebook, and desktop computers, facilitating data transfer and backup. ($149.99) ActionTec, Inc., 1269 Innsbruck Dr., Sunnyvale, CA 94089. 1-800-797-7001. URL: *http://www.actiontec.com* .

Gamester PC

The Gamester PC is the latest addition to Recompute's line of brand-name, easy-to-use remanufactured Windows-based PCs. The combination of the Sierra Screamin' 3D video accelerator, 32MB EDO RAM, and a 120MHz or 133MHz Intel Pentium processor provides the

Gamester with incredible gaming performance. The Pentium 130 Gamester includes a 1GB hard drive, a 4x CD-ROM, a 28.8Kbps fax/modem, Windows 95, and a 14" SVGA monitor. A range of upgrades, such as a 17" monitor for only $299, are also available. Recompute includes a seven-day money back guarantee and a ninety-day extendable warranty. ($1,399, Pentium 120 Gamester; $1,499, Pentium 133 Gamester) Recompute, Inc., 12317 Technology Blvd., Bldg. 200, Austin, TX 78727-6104. (512)918-7800. URL: *http://www.re-compute.com* .

MicroFLEX-PII/233

Micro Express has introduced a value-class multimedia PC, the MicroFLEX-PII/233, based on the Intel Pentium II 233-MHz processor. The MicroFLEX-PII/233 includes 64MB of EDO RAM, 512K of L2 cache, a 16X CD-ROM drive, a 4GB Ultra DMA hard disk drive, a high-density 3.5" floppy disk drive, a 32-bit wavetable sound card with 3-D effects, speakers, a 17" monitor, a 56Kbps fax/modem, and a mouse. The system also includes a high-performance 3-D PCI video card that has 4MB of RAM and preinstalled

Windows 95. In addition, energy-saving features and DMI support are standard. A full four-year warranty is included on parts and labor for the MicroFLEX, as well as a thirty-day money-back guarantee. ($2599) Micro Express. 1-800-989-9900. URL: *http://www.microexpress.net* .

Nexus Series Graphics Workstation

Sunway Graphics has developed the Nexus Series of high-end graphics workstations designed specifically for 3-D and video professionals. Pentium II-based, the Nexus series features a 3Dlabs Permedia II chip-based OpenGL and a Heidi-compliant true 3-D video card, which comes in AGP and PCI versions. The workstation also includes the Leadtek L2300, which offers digital TV-like quality imaging with simple Plug & Play installation. All Nexus computers are custom-built to each customer's specific needs. Sunway Graphics, 1540 Centre Pointe Dr., Milpitas, CA 95035. (408)946-8276. URL: *http://www.sunwaygraphics.com* .

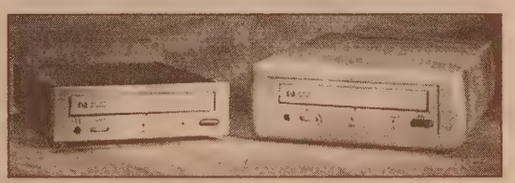
P5-55T Motherboard

Arise Computer Inc. has delivered the P5-55T, a compact motherboard designed for Intel Pentium MMX Technology CPUs and the Intel 430HX chipset. The P5-55T is equipped with BIOS that support auto-detection of hard drives and Plug and Play for virtually automatic setup of expansion cards. The P5-55T works with standard ISA bus and/or PCI/ISA bus and is PICMG-compatible. Using Intel's 430HX together with parity DRAM modules, the P5-55T can detect multi-bit memory errors and correct 1-bit memory errors. On-board L2 cache supports

512KB Pipelined Burst SRAM, and the board is memory-upgradeable from 8MB to 384MB FPM or EDO RAM on six SIMMs slots. The P5-55T also supports two PCI EIDE interfaces for up to four devices, has a pipelined snoop-ahead feature, and an improved PCI-to-DRAM write-back policy. Arise Computer Inc. 1-800-983-1177.

SureStore CD-Writer Plus

Using either CD-recordable or new CD-ReWriteable technology, the SureStore CD-Writer Plus gives you a choice. You can use CD-RW media that lets you write, update, erase, and rewrite up to 650MB of data on a single CD up to 1000 times per sector per disc. You can also make your CDs on CD-R media. Create permanent archives of all your critical data with the assurance that the data is secure for up to 100 years. Or create CDs that can play in missions of CD-ROM and Audio CD players. Intuitive software, included with your CD-Writer Plus, lets you cre-



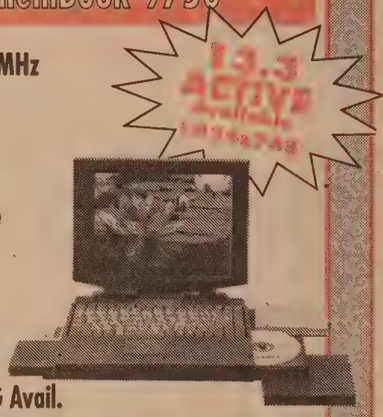
ate CDs with a simple drag-and-drop. You can even save files directly to CD from any application. ($499, internal 7100i; $610, external 7100e) Hewlett-Packard Co. 1-800-810-0134. URL: *http://www.hp.com/go/cdr* .

SUPER P6DLH

SUPERMICRO is offering the SUPER P6DLH I_20-ready motherboard targeted for high-end servers. Based on Intel's 440 LX chipset, the SUPER P6DLH accommodates dual-Pentium II 300/266/233MHz or higher processors, 1GB EDO or 512MB SDRAM, 9 PCI slots, and 3 ISA slots. It supports the Advanced Configuration and Power Interface (ACPI) specifications, Wake-on-LAN, SDRAM, concurrent PCI, and Ultra DMA 33MB/s burst data transfer rate. The SUPER P6DLH provides a standard way to offload the I/O functions from the CPU, creating a direct I/O pipeline that no longer passes through the host processor. Besides delivering increased system performance, the I_20 specification eliminates the need for different drivers for each combination of operating system and SCSI or Network Interface Card. SUPERMICRO, 2051 Junction Ave., San Jose, CA 95131. (408)895-2000. email: *marketing@supermicro.com* . URL: *http://www.supermicro.com* . *continued on page 170*

High Performance ChemBook 9750

- Intel Pentium® Processor Up to 200 MHz
- 13.3" TFT (1024x768)/ 12.1 TFT Active/12.1" Dual Scan
- Removable 10X CD-ROM Exchangable w/FDD and Battery Available
- 16 bit Stereo Sound System w/Video Capture Function Available
- Fast Infrared 4m Bps
- Li-Ion Battery/Docking Station/MPEG Avail.



Display	CPU Type	1.4GB	2.0GB
12.1" Dual Scan w/ 16MB OPTIONAL CD-ROM	P150MHz	$1479	$1679
	P166MMX	$1459	$1579
	P200MMX	$1569	$1669
	P233MMX	$1639	$1689

12.1" TFT Active Color Screen ..... add $470
13.3" TFT Active Color Screen ..... add $850

Best Seller ChemBook 6800 Series

- Intel Pentium® Processor Up to 200 MHz
- 8 MB EDO RAM Exp. to 72MB
- 12.1" Dual Scan (800x600)
- 1.44 MB Floppy Interchangeble w/ 2nd Battery
- Removable Hard Disk
- 16 bit Sound System w/ 1 MB RAM Wave Table
- 3 PCMCIA Slots
- Zoom Video Port Support

Display	CPU Type	1.4GB	2.0GB
12.1" DUAL SCAN w/ 8MB & 16X CD-ROM	P150MHz	$1389	$1539
	P166MMX	$1519	$1559
	P200MMX	$1609	$1669
	P233MMX	$1699	$1749

12.1" TFT Active Color Screen ..... add $470
13.3" TFT Active Color Screen ..... add $1060
14" TFT Active Color Screen ..... add $1140

EVEREX
EVER for EXcellence®

Call Us Now For Notebooks In Stock!

We've Got • Toshiba • NEC • Everex • AST • IBM • ACER • And Much More!

ChemBook 2600 Notebook

- 64-Bit PCI Video with 2MB RAM
- 12.1" TFT Color Screen
- 2-SmartBays
- Supports 2nd HDD
- 16MB/32MB/64MB EDO RAM
- 2-Type II & 1-Type III PCMCIA Slots
- Video Capture Optional
- Supports CarBus & Zoom Video
- 10X Fast CD-ROM (Optional)
- 16-Bit Full Duplex 3D Sound Card
- Smart Battery with Battery Gas Gauge Indicator

Display	CPU Type	1.4GB	2.0GB
12.1" Dual Scan w/ 8MB Optional CD-ROM	P150MHz	$1469	$1519
	P166MMX	$1499	$1559
	P200MMX	$1599	$1649
	P233MMX	$1699	$1749

12.1" TFT Active Color Screen ..... add $475

ChemBook Big Screen 2700 Notebook

- 512K Pipeline Burst Cache
- 13" /13.8" Dual Scan Color Screen
- 13.3" /14.2" Active Color Screen
- Memory Expandable to 128MB
- PCI 2MB/4MB EDO Video RAM
- Supports CarBus & Zoom Video
- 10X/16X/20X CD-ROM
- 16-Bit Full Duplex PnP 3D Sound Card
- TV Out Function
- 2-Type II & 1-Type III PCMCIA Slots

Display	CPU Type	1.4GB	2.0GB
14.2" Active Color w/ 16MB & 20X CD-ROM	P150MHz	$3199	$3269
	P166MMX	$3219	$3289
	P200MMX	$3309	$3399
	P233MMX	$3419	$3499

StepNote MX

- Intel® Pentium® Processor w/Heat Pipe Cooling • 256K Level 2 Pipeline Cache • 16MB EDO Memory Standard -Up to 80MB • Removable 1.35 or 2.1GB Hard Drive • Removable 1.44MB Floppy Drive • PCI 128-bit Windows Video Accelerator -with 1.5MB Standard • Removable 10 CD-ROM • 2 PCMCIA Slots, Type I & Type II • 16-bit Audio Built-in • NiMH Battery

StepNote MX/Pentium 133 with 11.3" TFT/2.1GB HDD $2349

StepNote MX/Pentium 133 with 11.3" TFT/1.35GB HDD 2149

StepNote MX/Pentium 133 with 12.1" DSTN/2.1GB HDD 1950

StepNote MX/Pentium 133 with 12.1" DSTN/1.35GB HDD ...1750

NETWORKING SERVICES

FROM HITRON
- LANTASTIC
- NOVELL
- CNE ON STAFF
- HARDWARE & SOFTWARE INSTALLATION
- DESIGN
- FREE CONSULTATION

FOR MORE OPTIONS OR INFORMATION PLEASE CALL:

HITRON SYSTEMS

HITRON SYSTEMS
3170 EL CAMINO REAL
SANTA CLARA, CA 95051
(BETWEEN LAWRENCE EXP. & SAN TOMAS EXP.)
TEL: (408) 261-2695 • Fax: (408) 261-2698
MON-FRI: 9-6 SAT: 10:30-4:30 EMail Sales: info@hitron.com

90 DAYS SAME AS CASH

*1 YEAR PARTS WARRANTY
*LIFETIME LABOR & TECH SUPPORT
*NATIONWIDE ON-SITE SERVICE AVAILABLE
*CORPORATE PO'S WELCOME
*CORPORATE LEASING AVAILABLE

Hitron Basic Enhanced System

Includes Kodak Home Office Suite '97

- Green Board with 512K Pipeline Cache
- 16MB RAM EDO
- 1.44MB Floppy Disk
- 2GB Hard Disk
- PCI Enhanced IDE Controller + I/O (On-Board)
- PCI SVGA Display Card w/1MB RAM
- 16X Internal CD-ROM Drive
- Mid Tower Case w/250W PS
- 104 Win 95 Enhanced Keyboard
- Mouse
- MS Windows 95

Please Call for more components: Modem, Sound Card, Speakers, Video Conferencing, etc.

PENTIUM® 150MHz	$619	AMD K6-166	$649
PENTIUM® 166MHz	650		
PENTIUM® 166 MMX	679	AMD K6-200	709
PENTIUM® 200MHz	709	AMD K6-233	889
PENTIUM® 200 MMX	789		
PENTIUM® 233 MMX	889	Cyrix 6x86-200	599

High Performance Server System

- Intel Venus Board
- 32MB EDO RAM
- 1.44 MB Floppy Drive
- 3.0GB IDE Hard Drive
- PCI IDE Controller
- S3 SVGA PCI Display Card w/1MB RAM
- ATX Mid Tower Case w/250W PS
- 104 Keytronic PS/2 Keyboard
- 16X CD-ROM
- Microsoft PS/2 Mouse

intel inside

FREE LIFETIME LABOR WARRANTY! *Call for details!

CALL FOR CUSTOM CONFIGURATION

Pentium® Pro 180 $979

Pentium® Pro 200 w/ 256K Cache $1219

Pentium® Pro 200 w/ 512K Cache 1746

HITRON NETWORKING SERVICES

- FREE ON-SITE CONSULTATION
- CERTIFIED NOVELL & NT ENGINEERS

CALL FOR ESTIMATES & MORE INFORMATION

Dual Pentium® II Server

- Dual Pentium® II Motherboard
- 64MB RAM
- 1.44MB Floppy Drive
- PCI IDE Controller w/ IO
- 4.5GB Ultra Wide SCSI
- Adaptech 2940 UW Ultra SCSI Controller
- ATI Expression w/ 2MB DRAM PCI
- 14" NSVGA (.28) 1024x1280 Monitor
- ATX Mid-Tower Case w/ 250 PS
- 104 Win95 Keyboard
- Microsoft PS2 Mouse
- 24X CD-ROM
- Inter Ether Express Pro 1000 Network Card

2X Pentium® II 233 System . . $2749
2X Pentium® II 266 System . . $3019
2X Pentium® II 300 System . . $3579

SUPER FAST PENTIUM® II SYSTEM

- Pentium® II Motherboard w/ 256K Cache
- 32MB EDO RAM
- 1.44MB Floppy Drive
- 3.0GB IDE Hard Disk Drive
- Matrox Millennium w/4MB WRAM PCI Display Card
- ATX Mid Tower Case w/250W Power Supply
- 104 Keyboard
- 16X CD-ROM
- Microsoft Serial Mouse
- 16 Bit SoundBlaster Sound Card
- 230W Speakers
- 33.6 Internal Fax Modem w/Voice
- Windows 95 with Manual

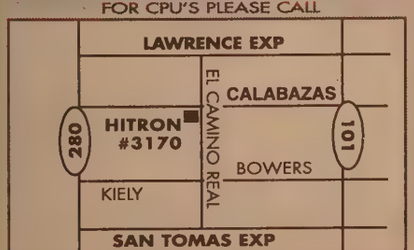
Pentium® II 233 System $1629
Pentium® II 266 System $1759
Pentium® II 300 System $2019

Umax-Supermac Mac Compatible System

Models: S900 Series, 2700 Series, C600/C500 Series
• Fast Powerfull • Mac OS • Easy to Use •
Affordable • Expandable & Upgradable

CALL FOR PRICES & MORE INFORMATION

Call For More FOR CPU'S PLEASE CALL



FOR MORE OPTIONS OR INFORMATION PLEASE CALL:

HITRON SYSTEMS

HITRON SYSTEMS
3170 EL CAMINO REAL
SANTA CLARA, CA 95051
(BETWEEN LAWRENCE EXP. & SAN TOMAS EXP.)
TEL: (408) 261-2695 • Fax: (408) 261-2698
MON-FRI: 9-6 SAT: 10:30-4:30 EMail Sales: info@hitron.com

VISA MasterCard DISCOVER AMERICAN EXPRESS

• All Special Order Items Non-Refundable • Prices Subject To Change w/o Notice • Not Responsible For Typos • Price Reflects Cash Discount

Product Announcements *continued from page 167*

PC Software

Encryption Plus For Email

Encryption Plus For Email (Eplus Email) is an add-on product that works with any Windows-based email software using SMTP and POP protocols. It automatically and transparently encrypts outgoing email and decrypts incoming email. Plus, it does not require that the sender and recipient have the same email package or that the recipient has Eplus Email to receive secure messages. Before using Eplus Email, the sender and recipient exchange a secret password. Once activated, a random symmetrical key is created, which then encrypts the message. The encrypted key is then attached to the email message along with the other information that is used by Eplus Email to decrypt the message on the recipient's computer. ($129.95, single-user version; quantity discounts are available as well as an enterprise version) PC Guardian, 1133 E. Francisco Blvd., Ste. D, San Rafael, CA 94901. 1-800-288-8126. URL: *http://www.pcguardian.com* .

Encryption Plus For CD-ROM

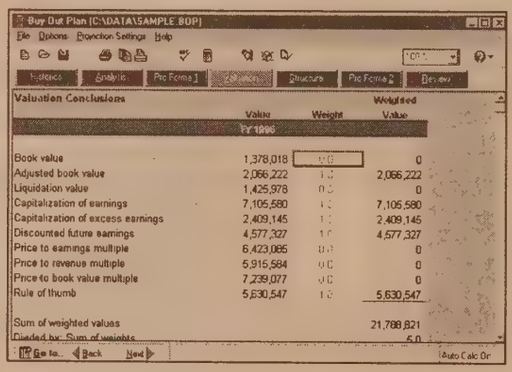
When Encryption for CD-ROM was originally introduced, decryption of encrypted CD-ROMs occurred only on authorized users' computers. Now Encryption Plus CD-ROM (or Eplus-CDROM) allows administrators to choose either the original Workstation Authentication installation or a new CD-ROM Authentication installation. This new option provides added versatility because it enables users to read a protected CD on any workstation by entering an authorized password. The Eplus-CDROM "smart" decryption engine allows all or only portions of CD-ROM data to be encrypted. It also features centralized management and assignment of encryption keys, simple user access via optional personalized passwords, and easy, safe installations. ($25 to $129.95 one-time cost per computer depending on quantities purchased) PC Guardian, Inc., 1133 E. Francisco Blvd., Ste. D, San Rafael, CA 94901. 1-800-288-8126. URL: *http://www.pcguardian.com* .

Print Screen Deluxe

This 16- and 32-bit program allows you to print, fax, or email anything you see on your computer screen. It features Power Zoom, an enhancement that can increase the size of your image by 1x, 2x, 4x, 8x, or 16x. With the touch of a single key, you can print any Windows 3.x, 95, or NT screen or save it automatically to a .jpg, .bmp, .gif, or .png file. You can capture the full screen, the entire window, the client area, or any part of the screen that you define. You can shrink or stretch your image, save it in normal or reverse-image format, and choose portrait or landscape mode. There is even a time-delay function that lets you position screen elements before the screen-capture takes place. Print Screen Deluxe is Internet-ready—if you are using a MAPI-compliant email program, you can send your captured screens to anybody on the Internet. ($34.95) JE Software, 404 N. Terrace Ave. Mount Vernon, NY 10552. 1-800-431-1348. URL: *http://www.jesoft.com* .

Buy-Out Plan For Windows

Buy-Out Plan for Windows is a powerful redesign of the MS-DOS version that helps


Buy Out Plan [C:\DATA\SAMPLE.BOP]
File Options Projection Settings Help
Valuation Conclusions
Value
Weight
Weighted Value
Book value 1,378,018 0.0 0
Adjusted book value 2,066,222 1.0 2,066,222
Liquidation value 1,425,978 0.0 0
Capitalization of earnings 7,105,580 1.0 7,105,580
Capitalization of excess earnings 2,409,145 1.0 2,409,145
Discounted future earnings 4,577,327 1.0 4,577,327
Price to earnings multiple 6,423,085 0.0 0
Price to revenue multiple 5,915,584 0.0 0
Price to book value multiple 7,239,077 0.0 0
Rule of thumb 5,630,547 1.0 5,630,547
Sum of weighted values 21,788,821
Divided by: Sum of weights 5.0
Go to... Back Next
Auto Calc On

buyers of businesses structure sensible terms and avoid paying too much for acquisitions. It is organized into sequential, task-specific sections: First, a database of financial information about the target company is created. Next, the user is guided through analyzing the company's financial position, projecting its future earnings and estimating its market value. Users are also directed through structuring the financing using a variety of common acquisition currencies. Buy-Out Plan can also be used as an active negotiating tool when dealing with sellers, funding sources, and internal management. ($795, single user) MoneySoft, Inc., One E. Camelback Rd., Ste. 550, Phoenix, AZ 85012. (602)266-7710. URL: http://*www.moneysoft.com* .

Pro Venture Mail Tools

Mail Tools lets small businesses mail directly from files in existing databases or spreadsheets without having to import or export data. It automatically corrects and completes addresses and adds ZIP+4 codes. It eliminates costly duplicate and undeliverable addresses and prepares mailers to take advantage of bulk mail discounts. The US Postal Service has given the software PAVE certification for accurate bulk mail sorting and POSTNET certification for printing barcodes. With Pro Venture Mail Tools acting in concert with a customer list, users can choose from hundreds of pre-defined labels, post cards, and envelopes including Avery, NEBS, and Cheshire. It comes with automatic alignment and shrink-to-fit font-sizing so data can be printed correctly the first time. ($49.95) MySoftware Co., 2197 E. Bayshore Rd., Palo Alto, CA 94303-3219. (415)473-3600. URL: *http://www.mysoftware.com* .

Drag And File 4.0

The newest version of Drag And File, a Windows 95/NT file management program, features an FTP (File Transfer Protocol) client that enables users to manage files transferred from the Internet. The FTP client compares favorably to separate FTP programs in terms of features, ease-of-use, and versatility. Users can split their screens to show an FTP session on one side, and a local desktop drive on another. Transfers of files using FTP can be completed through drag-and-drop clicking or a copy button. Like previous versions of the program, Drag And File 4.0 supports extensive file searching and hard disk management capabilities. Users can select files from multiple directories and work on them simultaneously; copy and drag-and-drop files from multiple windows in a single operation; tag directories and view listings across drives; and view listings of the contents of entire drives. It requires a 486-based PC or better with 4MB of RAM and 8MB of hard disk space. ($35; an evaluation version can be downloaded from Canyon Software's Web site) Canyon Software, Inc., 1537 Fourth St., Ste. 131, San Rafael, CA 94901. (415)453-9779. URL: *http://www.canyonsw.com* .

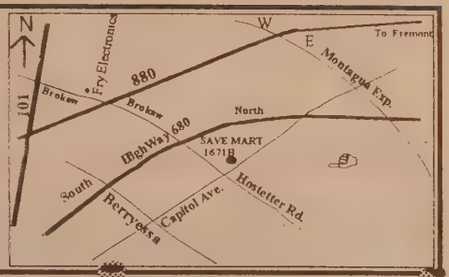
Anti-V

Anti-V, a total anti-virus protection for Windows 95, NT, 3.x, and MS-DOS, prevents, detects, and destroys all known and unknown computer viruses in real-time, without requiring updates. It features a powerful multi-modal engine that instantly recognizes the common viral traits of

BENiTEK USA COMPUTER

1671B N. Capitol Ave., San Jose CA 95132
Tel: (408) 254-3750 * Fax: (408) 254-7591
Email: benitek@AOL.COM
http://member.aol.com/benitek/benitek.html

Hours:
Mon-Fri 9:30 - 6:00
Sat 10:30 - 5:00



PENTIUM II SYSTEMS

*Intel Atlanta or Asus MBoard
* 512K L2 Pipelined Burst
* 32 MB SDRAM 10ns
* TEAC 1.44 Floppy Drive
* 4.30GB EIDE Ultra DMA HD
* EIDE PCI built-in I/O 16550
* Diamond Viper 330 AGP w/ 4MB RAM
* ATX Medium Tower
* KeytronicWin95 keyboard
* Microsoft PS2 Mouse w/Pad
* Toshiba 24x CD-ROM
* Yamaha stereo sound
* Yamaha M7 speakers
*US Robotics 56K faxmodem
* Free Power Surge &CPU fan
* Windows 95B CD&Manual (Monitor not included)

Pentium®II Processor

300MHz MMX	$1952
266MHz MMX	1751
233MHz MMX	1630

VENUS SYSTEMS

* Intel Venus PCI MBoard
* 256K Pipelined Cache
* 32 MB EDO 60ns RAM
* TEAC 1.44 Floppy Drive
* 2.60 GB UtraDMA EIDE HD
* EIDE built-in I/O 16550
* Diamond 3D 3000 PCI w/ 4MB VRAM
* ATX Medium Tower
* KeytronicWin95 keyboard
* Logitech PS2 Mouse w/ Pad
* Toshiba 24X EIDE CD-ROM
* Creative Labs SB16
* 180 Watt Speakers
* US Robotics 56K faxmodem
* Free Power Surge & CPU fan
* Windows 95B CD&Manual (Monitor not inclued)

Pentium®Pro Processor

200MHz	$ 1499
180MHz	$ 1219

ANCHORAGE SYSTEMS

* Intel Anchorage PCI MB
* 512K Pipelined Burst Cache
* 32 MB SDRAM 10ns
* TEAC 1.44 Floppy Drive
*3.20GB UltraDMA/33 EIDE HD
* EIDE PCI built-in I/O 16550
*Diamond 3D 3000 PCI w/ 4MB VRAM
* ATX Medium Tower
* Keytronic Win95 keyboard
* Logitech PS2 Mouse w/Pad
* Toshiba 24x EIDE CD-ROM
* Yamaha stereo sound
* 180 watt speakers
*US Robotics Sporter 33.6
* Free Power Surge & CPU fan
* Windows 95B CD&Manual
* Impression7 plus17"monitor

Pentium® Processor

233 MHz MMX	1725
200 MHz MMX	1645
166 MHz MMX	1561
150 MHz	1537
133 MHz	1529
100 MHz	1512
90 MHz	1485

ASUS TX SYSTEMS

* Asus Triton TX PCI MBoard
* 512K Pipelined Burst Cache
* 32 MB EDO 60ns RAM
* TEAC 1.44 Floppy Drive
* 3.20GB EIDE UltraDMA/33 HD
* EIDE PCI built-in I/O 16550
*Diamond 3D 3000 PCI w/ 4MB VRAM
* Mini Tower 230W
* Mitsumi Win95 keyboard
* Logitech Mouse w/ Pad
* Toshiba 24x EIDE CD-ROM
* Creative Labs SB16 pnp
* 180 watt Speakers
* US Robotics Sporter 33.6
* Free Power Surge & CPU fan
* Windows 95B CD&Manual
* MGC 15" .28 Digital Monitor

K6 AMD Processor

233 MHz MMX	$1525
200 MHz MMX	$1445
166 MHz MMX	$1361

Pentium® Processor

233 MHz MMX	$Call
200 MHx MMX	$1388
166 MHz MMX	$1351

(Asus TX97 XE ATX add $45)

Best Buy Systems

* Asus Triton VX97 PCI MB
* 512K Pipelined Burst Cache
* 32 MB EDO 60ns RAM
* TEAC 1.44 Floppy Drive
* 1.2 GB IDE Hard Drive
* EIDE PCI built-in I/O 16550
* Diamond St 64 w/ 2mb
* Mini Tower w/LED 230W
* 104 Win95 keyboard
* Logitech Mouse w/Pad
*Mitsumi 8x IDE CDROM
* ESS 1688 Stereo PnP16
* Phoebe 33.6 fax modem
* 80 watt Stereo speakers
* CPU Cooling Fan
* Free Power Surge
* Windows 95B CD&Manual
* MGC 14" .28 Non-in Monitor

Pentium® Processor

233 MHz MMX	1112
200 MHz MMX	1032
166 MHz MMX	948
150 MHz	954
133 MHz	924
100 MHz	916
90 MHz	899

(Asus TX Mboard Add $50)

SPECIAL

Happy Thanksgiving

PENTIUM® 166 MMX
24x MULTIMEDIA
Intel Tucson or Marl

- Pentium® 166 MHz MMX CPU
- 32 MB EDO RAM
- EIDE PCI w/I/O 16550 built-in
- 2.60 GB EIDE Hard Disk
- TEAC 1.44 Floppy Drive
- Diamond St 64 2001 video PCI 2 MB
- MGC 15" .28 Digital Monitor
- ATX Mid Tower w/ 250 Watt
- Keytronic win 95 PS2 Keyboard
- Microsoft PS2 Mouse w/ Pad
- US ROBOTICS 33.6
- Toshiba 24X EIDE CD-ROM
- Yamaha stereo sound SB16
- 180 Watt Speakers+ Power Center
- Windows 95B full version w/ CD
- Bonus any 2 CD-ROMs (Your choice at store)

only $1259

pentium®200MMX $1341
pentium®233MMX $1421

SUPER SALE

MB+CPU

Intel Atlanta AL440 LX Pen II 300	$945
Intel Atlanta AL440 LX Pen II 266	744
Intel Atlanta AL440 LX Pen II 233	624
Asus P2L97-440 LX Pen II 300	930
Asus P2L97 -440 LX Pen II 266	729
Asus P2L97 -440 LX Pen II 233	599
Intel Venus Pen Pro 200/256K	585
Intel Venus Pen Pro 180/256K	310
Intel AN430TX P-233 MMX /512K	478
Intel AN430TX P-200 MMX /512K	393
Intel AN430TX P-166 MMX /512K	304
Intel AN430TX P-150 /512K	280
Intel AN430TX P-133 /512K	272
Intel AN430TX P-100 /512K	255
Asus TX97E+ P233MMX/512K	433
Asus TX97E+ P200MMX/512K	353
Asus TX97E + P166MMX /512K	269
Asus TX97E + P150 /512K	245
Asus TX97E + P133 /512K	237
Asus TX97E + P100 /512K	220
AMD K6-233+Asus TX97E 512K	Call
AMD K6-200+Asus TX97E 512K	316
AMD K6-166+Asus TX97E 512K	269
Asus TX97 XE (ATX) add $30	
Asus TXP4 + P-233 MMX/512K	418
Asus TXP4+ P-200 MMX/512K	338
Asus TXP4 + P-166 MMX/512K	254
Asus TXP4 + P-150 /512K	230
Asus TXP4 + P-133 /512K	222
Asus TXP4 + P-100 /512K	205
Asus TXP4 + AMD K6-233/512K	Call
Asus TXP4+ AMD K6-200/512K	291
Asus TXP4 + AMD K6-166/512K	244
Asus VX97 + P-233 MMX/512K	393
Asus VX97+ P-200 MMX/512K	323
Asus VX97+ P-166 MMX /512K	219
Asus VX97+ P-150/512K	200
Asus VX97+ P-133/5126K	192
Asus VX97+ P-100/512K	175
Asus VX97+ P-90/512K	145
AMD K6-233 +Asus VX97 512K	Call
AMD K6-200 +Asus VX97 512K	266
AMD K6-166 +Asus VX97 512K	219
Asus P55T2P4+ P-200 MMX/512K	343
Asus P55T2P4+ P-166 MMX/512K	259

Sale

Intel CPU w/ Asus TX PCI 512 pipelined
Pentium® 166 MMX $ 245
MB+CPU, socket 7 from 75 MHz to 233 MHz, EIDE PCI built-in I/O 16550 Ultra DMA/33. MMX™Technology READY

Diamond Stealth 64 3D 3000 4MB VRAM only	$125
Diamond Monster 3D 4MB DRAM only	$125
Asus TX97E PCI Motherboard 512K	$135

72 PINS MEMORY

8 MB 60ns 72 PIN EDO (16 chip)	25
16 MB 60ns 72 PIN EDO (8 chip)	40
32 MB 60ns (8x32)EDO / 8x36	80/85
64 MB 60ns (16x32) EDO	190

30 PINS MEMORY

1 MB 60/70/80ns 30 PIN (1x3) Good	5
4 MB 60/70ns 30 PIN (4x9 - 9 chip)	20

SDRAM LONG DIMM

32 MB SDRAM 10ns (4x64)	99
64 MB SDRAM 10ns (8x64)	199
64 MB SDRAM 10ns (8x64) For LX	275
128 MB SDRAM 10ns (16x64)	555

MONITOR

MGC 14" .28 Digital Non-interlaced	155
MGC 15" .28 Digital Non-interlaced	215
MGC 17" .28 Digital	399
MGC 17" .26 1600x1200 Digital	465
Impression 7 plus 17" .27 Digital	415
Sony 100SF 15" .25	345
Sony 200SX/200SF 17" .25	585/640
ViewSonic 17GA/G771 .27	570/530
ViewSonic 17PS	650
Hitachi 630 17" .22	645
IIYAMA MT-9017E 17" Digital	630

MISCELLANEOUS

Zip 100MB IDE internal w/disk	115
NetMouse serial/PS2	12
Logitech Mouse 2 buttons/3 buttons	12/15
Logitech MouseMan serial/PS2-3but	25
1.44 Teac Floppy Drive	23
CPU Cooling Fan 486/P5 75-233	5
CPU Cooling Fan for Pentium II	20
80 Watt/180 watt Speakers	15/35
240 w/ Subwoofer	70
YAMAHA M7/M15 speakers	45/75
YAMAHA Subwoofer system 45	175

MULTIMEDIA

ESS 1688 stereo sound 16 PNP	15
Creative Labs SoundBlaster 16	39
Creative Labs SoundBlaster AWE64 Good	79
Creative Labs SoundBlaster AWE64 Gold	185
Creative Labs 4x IDE CD-ROM Good	39
MITSUMI 8x/12x EIDE CD-ROM	55/58
MITSUMI 16x/24x EIDE CD-ROM	70/80
TOSHIBA 24x EIDE CD-ROM	80
TOSHIBA 12x/15x SCSI CD-ROM	110/145
PANASONIC 8X SCSI	85
YAMAHA CD WRITER 4x6 internal SCSI	470
MITSUMI CD WRITER 2x6 internal EIDE	345
TOSHIBA DVD Kit w/ MPEG-2 RealMagic PCI	370

CASES

Mini Tower Case w/LED 230 Watt P.S Good	25
Super Mini Tower Case w/LED 230 Watt P.S	35
Desktop AT case w/LED 230 Watt P.S	40
Medium Tower Case w/ LED 230 Watt P.S	45
Full Tower Case w/LED 250 Watt P.S	65
ATX Mid Tower w/ 250 Watt (2 Sides open)	65/80
ATX Medium Tower case w/ 250 Watt P.S.	70/80
ATX Full Tower 250 watt / 300 watt P.S	95/125

HARD DRIVERS

Fujitsu 1.20 / 2.60 /3.50/4.30 EIDE	120/165/190/245
Quantum 2.10/3.20 EIDE FB-ST ULT 33mb/s	180/195
Quantum 4.30/ 6.40 EIDE FB-ST ULT 33mb/s	260/352
Western Digital 2.10 / 2.50 GB EIDE	173/185
Western Digital 3.20 / 4.30 GB EIDE	215/255
Quantum 2.10/3.20 GB FB-ST SCSI	230/300
IBM 2.1/4.3 GB DORS SCSI-W	279/365

TERMS AND CONDITIONS
1- One year parts & labor warranty
2- Not responsible for typos
3- Price and availability subject to change w/o notice
4- 15% Restocking fee on returns No refunds after 7 days
5- Prices based on cash or checks only

COMPUTER repair & upgrades welcome

pentium® is A Registered trademark of Intel Corp.

VGA

TV+VGA Trident w/ 2mb w/remote	135
S3 Virge 3D 64 PCI 4MB Good	49
S3 PCI video 1mb/2mb	25/35
Cirrus Logic 5446 PCI 2mb	35
ATI All-in-Wonder 4MB PCI	99
Memory Upgrade Millennium I 2/4mb	60/130
Memory Upgrade Millennium II 8mb	195
Matrox Millennium II PCI 4mb/8mb	190/280
Matrox Mystique PCI 2mb	75

DIAMOND

Stealth 64 2001 2mb DRAM	50
Stealth 64 3D EDGE Multimedia PCI 2mb	75
Stealth 64 3D 2000 PCI 2mb/4mb EDO	49/80
Stealth 64 3D 3000 PCI 4mb VRAM	125
MPEG Card upgrade (M1100)	70
Diamond 3D Monster 4 MB DRAM Good	125
Diamond Fire GL 1000 8 MB	180
Viper 330 AGP 4MB	165

CONTROLLERS

Adaptec SCSI 2940 PCI	139
Adaptec SCSI 2940U PCI	165
Adaptec SCSI 2940UW PCI Good	170
Adaptec SCSI 3940 PCI	190

NETWORK CARD

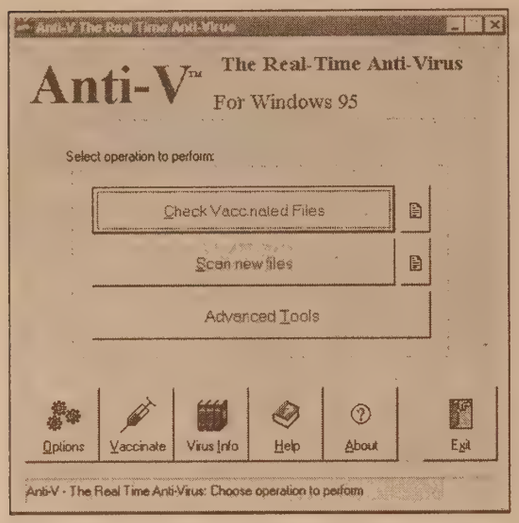
3com 3C900 PCI TPO / combo	80/95
3com 3C905 TX PCI/100BaseTX	80
SMC8416 BT/9332BDT	85/125
NE2000 combo PNP-ISA/PCI	20/25

FAX-MODEM

PHOEBE 33.6 Fax-Modem/Voice	49/49
PHOEBE 56K Fax-Modem/Voice	95/100
US ROBOTICS 33.6 (internal)	85
US ROBOTICS 33.6 w/voice	95
US ROBOTICS 56 K /Voice	135/140
US ROBOTICS 56 K /Voice (Ex)	199/215

Top left: Anti-V from TEGAM International; bottom left: AutoCAD LT 97; center: Symbols 97, both from Autodesk; top right: FileMaker Pro 4.0 from Claris; bottom right: The California Support Calculator from Compressent Corp.

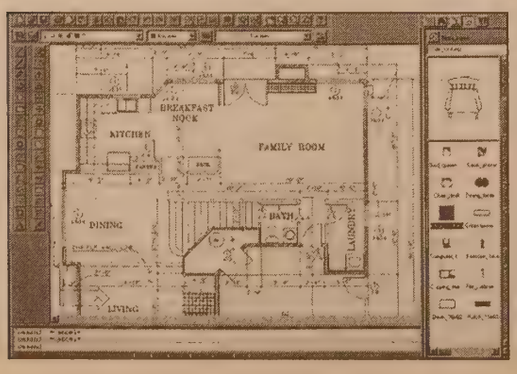
Product Announcements *continued...*



the three families of viruses: boot-infectors, file-infectors, and macro viruses, and detects them, neutralizes them, and vaccinates against them. Checking up to 4,000 files per minute, Anti-V occupies only 8KB of RAM. TEGAM International, 1-800-769-4062. Email: *sales@antiv.com* . URL: *http://www.antiv.com* .

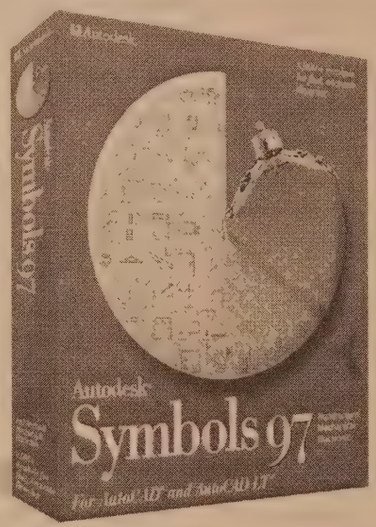
AutoCAD LT 97

AutoCAD LT 97 provides innovative features to help designers and drafters share drawings and related design data with all levels of users. Not only can users easily share drawings over the Internet, but it is the only low-cost, professional 2-D drafting software that provides 100% compatibility with AutoCAD Releases 14 and 13. Other features include a drag-and-drop Content Explorer for locating, organizing, and inserting blocks and drawings; multimedia assistance to shorten the CAD learning curve; precision drawing tools for more sophisticated design creation; and Microsoft Windows and Office 97 logo compliance as well as Autodesk Driver Interface (ADI) plotter driver support. ($489, estimated street price) Autodesk, Inc., 111 McInnis Pkwy., San Rafael, CA 94903. 1-800-225-1076, (415)507-5000. URL: *http://www.autodesk.com* .



Symbols 97

Symbols 97 is a three-in-one combination of architectural, electrical, and mechanical symbols that were previously sold separately. It lets drafters and designers select from more than 8,000 full-scale, industry-standard symbols in both US and metric sizes. These symbols can be accessed from the new Content Explorer in AutoCAD LT, or from icon and pull-down menus in other versions of AutoCAD and AutoCAD LT. These symbols can be easily and precisely placed in a drawing, saving drawing time and allowing users to customize AutoCAD and AutoCAD LT for their specific discipline. Users can also add or modify symbol attributes or extract information for bills-of-material and estimating. ($99) Autodesk, Inc., 111 McInnis Pkwy., San Rafael, CA 94903. 1-800-225-1076, (415)507-5000. URL: *http://www.autodesk.com* .

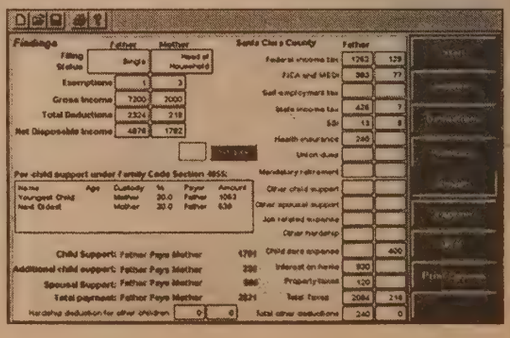


FileMaker Pro 4.0

FileMaker Pro 4.0 for Windows NT, Windows 3.1, and MacOS is the newest version of the cross-platform, rational database software from Claris Corp. Now with built-in HTTP server and CGI capabilities, it will collect and serve dynamic data over the Web from computers with access to the Internet or an intranet via TCP/IP. Getting a FileMaker Pro 4.0 database onto the Web is easy using a new Web Companion plug-in. With the click of a check box, users can perform major navigational and editing operations on the Web automatically. Security features to limit browser access privileges are also included. In addition, a drag-and-drop Excel translation tool that converts most spreadsheet databases into full-bodied FileMaker Pro databases in just seconds is also standard. ($199) Claris Corp., P.O. Box 58168, 5201 Patrick Henry Dr., Santa Clara, CA 95052. 1-800-544-8554. URL: *http://www.filemaker.com* .

California Support Calculator

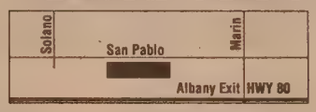
The California Support Calculator helps you calculate child and spousal support for the California Family Law courts. It offers a general-use calculator, and individual calculators for each field for converting hourly, weekly, biweekly, semimonthly, quarterly, annual, and year-to-date financial information into monthly information. The custody calculator converts days into visitation percentages. An easy-to-understand Explain Screen details combined net disposal income allocated for child support, contribution of each parent to child support, and each parent's child support credit for custodial time. It also shows spousal support before and after adjustment for the effect of taxes, as well as spousal support tax



DJ COMPUTERS

QUALITY LEADER IN THE EAST BAY

SINCE 1991



BUILDING COMPUTERS FOR THE FUTURE!

926 San Pablo Ave. • Albany, CA 94706
Phone: 510/527-7697 or 510/527-7698 • FAX 510/527-3299

DJ COMPUTERS INTEL PENTIUM® II 300MHz

- 300MHz Pentium® Processor w/Fan
- ASUS P2L97 Motherboard
- 64MB EDO RAM
- 1.44MB Floppy Drive
- 6.4GB Quantum Ultra DMA Hard Drive
- 24X Toshiba CD-ROM
- 4MB Matrox Millennium II
- Sound Blaster 64 PnP
- 120-Watt Speaker
- US Robotics 56K w/Voice
- Mid-Tower Case
- Keytronic 104 Keyboard
- Windows 95 CD
- Microsoft Mouse

$2490

DJ COMPUTERS P5 MULTIMEDIA 233MHz

- 233MHz Pentium® MMX Processor w/Fan
- Pentium® Chip-based Motherboard w/512K Cache
- 32MB 72-Pin EDO RAM
- 1.44MB Mitsumi Floppy Drive
- 3.2GB IDE Hard Drive
- 24X Toshiba CD-ROM
- MGA Millennium II 4MB WRAM
- Sound Blaster 64 Sound Card
- 120-Watt Speaker
- 33.6 w/Voice
- Mid-Tower Case w/230W PS
- Microsoft Mouse w/Pad
- Windows 95 CD

$1790

DJ COMPUTERS P5 200MMX PCI SYSTEM

- 200MHz MMX Pentium® Processor w/Fan
- Pentium® Chip-based Motherboard w/512K Cache
- 32MB 72-Pin RAM
- 1.44MB Mitsumi Floppy Drive
- 2.0GB IDE Hard Drive
- 16X CD-ROM •S3 2MB SVGA Card
- 33.6 Fax/Modem
- Hi-Speed 2 Serial, 1 Parallel, 1 Game Port
- Hi-Speed IDE Controller on Board
- 120-Watt Speker
- Mini-Tower Case w/200W PS
- Microsoft Mouse w/Pad
- 104 Enhanced Keyboard

$1290

DJ COMPUTERS P5 166 GREEN PCI SYSTEM

- 166MHz Pentium® Processor w/Fan
- Pentium® Chip-based Motherboard w/512K Cache
- 16MB 72-Pin RAM
- 1.44MB Mitsumi Floppy Drive
- 1.2GB IDE Hard Drive
- 12X CD-ROM •S3 2MB SVGA Card
- 33.6 Baud Fax Modem
- Hi-Speed 2 Serial, 1 Parallel, 1 Game Port
- Hi-Speed IDE Controller on Board
- 120-Watt Speker
- Mini-Tower Case w/200W PS
- Microsoft Mouse
- 104 Enhanced Keyboard

$1050

- ALL SYSTEMS CAN BE PICKED UP SAME DAY. NEXT-DAY DELIVERY TO (415) AND (510) AREAS AT NO CHARGE
- ON-SITE SERVICE AVAILABLE (MINIMUM $45)
- WE NOW PERFORM NETWORK INSTALLATIONS
- LET US CUSTOM DESIGN THE PERFECT SYSTEM FOR YOU!

UPGRADES COMPLETED WITHIN ONE HOUR!

DJ COMPUTERS UPGRADES

- 486DX➡133MHz Pentium® Chip $299
- 386DX➡133MHz Pentium® Chip $399
- 386DX➡486DX-66 ..... $199
- 286➡486DX-66 ..... $249

MONTHLY SPECIALS!!

Impression® VISION MONITOR SPECIALS

WITH SYSTEM PURCHASE

- Impression Vienna Pro 17" .25 ..... $549
- Impression 7 Plus 17" .27 ..... $399
- Impression 5 Plus 15" .28 ..... $209
- Impression 3 Plus 14" .28 ..... $159

MATROX MILLENNIUM II. $219
VIEWSONIC MONITOR ALL MODELS . . . CALL

MEMORY SPECIALS

- 2Mx32 8MB EDO $39
- 4Mx32 16MB EDO $79
- 8Mx32 32MB EDO $119

Monitors Repaired
From $5 and up!

SATELLITE 455CDT

- Intel Pentium® 120MHz
- 16MB RAM Standard
- 1.4GB Hard Drive
- 11.3" DSTN/11.3" TFT Display
- 1.44 Removable FDD
- 2MB EDO RAM
- 10X Swappable CD-ROM
- Integrated AC Adaptor
- Li-Ion Battery
- MPEG Ready

455CDT $2390

FREE Megahertz 33.6 PCMCIA Fax/Modem w/Laptop Purchase!

CUSTOM SYSTEMS • UPGRADES • NETWORKS
TRADE-INS • COMPUTER & MONITOR REPAIR
TEN-YEAR WARRANTY ON LABOR

HOURS:
Mon-Fri 9-6
Sat 12-4

Prices are subject to change without notice.

VISA DISCOVER P.O.s

A & M Computers Inc.

Computers keep getting faster and faster.
Now there is a vendor that can keep up . . .
Sizzling Hot Notebooks Special

IBM

NEW THINKPADS
770, P-233 MMX, 5.1GB, 32MB, 33.6 MODEM, 14.1 TFT $6699
560, P-133, 8MB, 2.1GB, 11.3 DS $1645
765D P-166 MMX, 32MB, 3GB, 8X CD, 13.3 TFT, 28 MODEM $6399
765L P-166 MMX, 32MB, 3GB, 13.3 TFT $6049
760XD P-166 MMX, 32MB, 3GB, 8X, 12.1 TFT $4199
760XL P-166 MMX, 32MB, 2.1GB, 12.1 TFT $3599
760ED P-133, 16MB, 1.2GB, 4X, 12.1 TFT $2595
IBM PC 300 GL 166MMX/32/2.5GB /WIN NT $1799
IBM PC 300XL 266 PII/32/4.2GB/16X $3129

IBM SERVERS/PRINTERS/MONITORS/OPTIONS/PARTS
IBM TOKEN RING/NETWORKING ADAPTERS
CALL/FAX US YOUR REQUIREMENTS FOR BEST PRICES
WE ARE FULLY AUTHORIZED IBM RESELLER

HEWLETT PACKARD

PALMTOP 320 LX PC $539
PALMTOP 300 LX PC $459
OMNIBOOK 800 CT P-166MMX, 16MB, 2.1GB, 10.4 TFT $4649
OMNIBOOK 5700CTX P-166MMX, 32MB, 3GB, 12.1 TFT $5799
VECTRA VL5 5/233 MMX, 16MB, 2.5 GB, DT ..... $CALL
VECTRA VE3 5/200, 16MB, 1.6GB DT ..... $CALL
NETSERVER E40 6/200, 32MB, 2.1GB, 8X, 10/100 ..... $2699
VECTRA 525 CD P-200MMX, 24MB, 2.5GB, 16X $2095
VECTRA XU/XA/XW HIGH END SERVER ..... BEST PRICES
LASERJET 4000, 17PPM, 600DPI $1199
LASERJET 5SI, 24 PPM, 4MB $2595
LASERJET 5N 12 PPM, 4MB, ETHERNET CARD $1357
LASERJET 5SI COPIER $6795
LASERJET 6P, 8PPM, 2MB, 600 DPI $769
OFFICEJET PRO 1150C $999
OFFICEJET 520C # C4642A $599
DESKJET 870CXI/694C/100CXI $379/299/479
SCANJET 4CSE SCANNER $789
PLOTTER 755C+ E SIZE, COLOR, NETWORK, # C4709B $5699
PLOTTER 2500CP COLOR $9999
HP TAPE BACKUP/SURESTORE/DAT /OPTICAL ..... $LOW
HP ADVANCESTACK SWITCHES/HUB/ROUTERS ..... $CALL
HP SUPPORT SERVICES ..... VERY LOW
FULLY AUTHORIZED HP SELLER

TOSHIBA

TECRA 750CDT, P233MMX, 32MB, 5.1HD, 20X, 13.3TFT, 56K $5296
SATELLITE 430CDT, P-120, 16/1.35GB, 10X, 11.3 TFT $1899
SATELLITE 440CDT, P-133, 16/1.3GB, 10X, 12.1 TFT $2550
SATELLITE 460CDT, P-166MMX, 32/2.02 GB/10X/12.1 TFT 33.6 FAX MODEM, 3-YR WARRANTY (BEST BUY) $2999
TECRA 520 CDT P-166MMX, 32/2.02 GB/ 10X/12.1 TFT 33.6 FAX MODEM, LOT OF SOFTWARE $3250
TECRA 510CDT P-133, 16 /2.1GB/10X CD/ 12.1 TFT /28 ..... $2399
TECRA 730XCDT P-150MMX, 16/2GB/10X/12.1 TFT /28 $2640
TECRA 740CDT P-166MMX, 16MB/3GB/10X/13.3 TFT 28.8 FAX MODEM/COLOR VIDEO CAMERA $3420
PORTEGE 300 CT P-133/32 MB/1.51 GB/ 10.4 TFT/28 ..... $2899
PORTEGE 660 CDT, P-150/16/1.2GB/10X/11.3 TFT/28 ..... $2499
TOSHIBA DESKSTATION/ PORT REPLICATOR/BATTERIES ..... CALL

UPGRADE YOUR NOTEBOOK HARD DRIVE & MEMORY AT AMAZING LOW PRICES
For IBM ThinkPads, Toshiba, Compaq, NEC, TI, etc.

OTHER NEW ARRIVALS

NEC NOTEBOOKS ..... CALL FOR BEST PRICES
AST ASCENTIA P-133MMX, 1.6GB, 32MB, 20X, 12.1DS $2299
AST ASCENTIA P-166MMX/ 32/2.1GB/ 12.1TFT/10X/56K $3789
AST ASCENTIA P-233MMX/64MB/4.0GB/20X/ 56K/13.3TFT $5249
HITACHI VISION PRO 7560 P-166MMX/ 32 MB/2.1GB/20X 13.3 TFT/56K MODEM/10BT /2 BATT. CAP $4579
COMPAQ ARMADA 1530/1540/1550/1580 ..... $1949/2749/2849/3349
COMPAQ PRESARIO 1210/1610/1620 ..... $1895/2095/2495
COMPAQ DESKPRO 2000/4000/6000 MODELS ..... LOW $$$
FUJITSU LIFEBOOK 435DX, P-133/16MB/1GB/ 10X/12.1DS $1779
XIRCOM NETWORKING ..... COMPLETE LINE
3COM 3C50910BT /3C905TX/3C900 COMBO $52/67/ 84
US ROBOTICS MODEMS/ DIAMOND SUPRA MODEMS ..... BLOWOUT
MATROX/ATI/DIAMOND/NUMBER NINE ..... LOWEST
17" ULTRA HIGH RES., 1280x1024, .27, VIEWSONIC $450

NOVELL SOFTWARE.....ALL VERSION.....GUARANTEED LOW

717 Market St. #404, San Francisco, CA 94103
Tel: (415) 974-3644 Fax: (415) 974-1318

GOVT. CORPORATE & SCHOOL PO'S WELCOME.
PRICES REFLECT CASH DISCOUNT.
WE SHIP WORLDWIDE. SUBJECT TO AVAILABILITY.

APPROVED SMALL & MINORITY BUSINESS

WE'RE GOING TO CHANGE THE WAY YOU THINK ABOUT NETWORKING

- Preconfigured Networks
- High Performance Servers & Workstations
- Networking Products & Services
- Computer Upgrades/Service/Repairs
- Network & PC Maintenance
- E-Mail/Groupware Installation
- Software Installation/Configuration
- LAN/WAN Networking

PLEASE TURN TO OUR FULL-PAGE AD ON PAGE 53

AUTHORIZED RESELLER
IBM hp 3Com
MICROSOFT WINDOWS NT READY-TO-RUN
Novell Certified NetWare Engineer
ASCEND

KEEP UP WITH THE LATEST TECHNOLOGY WITH
PROVEN TECHNOLOGY
1-800-PTI-2WAN
(794-2926)

Product Announcements *continued...*

consequences. The California Support Calculator meets all requirements of the Family Code and is certified by the California Judicial Council for use by the Superior Courts of California. ($195) Pegasus Software, Inc., 475 N. First St., San Jose, CA 95112. 1-800-247-2832. URL: *http://www.pegasussoft.com* .

CleanSweep Deluxe

For Windows 95 and NT users, CleanSweep Deluxe is a safe and efficient way to remove unwanted applications and files from your hard disk—including files that are automatically downloaded from the Internet and viruses. It identifies various types of Internet debris, including Internet cache, Web cookies, ActiveX controls, browser plug-ins, and other files that are left on your hard drive every time you are on the Web. The SafetySweep feature shows you which files are safe to remove and which are not. It also requires you to back-up all deleted files to protect against accidental file deletion. CleanSweep Deluxe automatically updates itself over the Interent using Quarterdeck's Update-It program. Also included is TuneUp AV, anti-virus software that alerts you to the presence of viruses and eliminates most viruses automatically. ($59; upgrade price, $19) Quarterdeck Corp., 13160 Mindanao Way, Marina del Rey, CA 90290-9705. (310)309-3700, 1-800-683-6696. URL: *http://www.quarterdeck.com/store* .

Phone Search USA 3.0

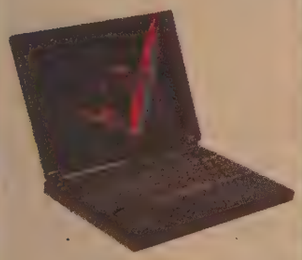
Phone Search USA 3.0 CD-ROM phone book links millions of phone listings to detailed mapping software. It enables users to search and access over 96 million business and resi-

THE MOBILE COMPUTING PROFESSIONALS

SALES • SERVICE • LEASING

SHOP AND COMPARE BEFORE YOU BUY!

FUTURE COMPUTING SOLUTIONS INCORPORATED



IBM

Model	Processor	Ram	HD	Screen	Price
ThinkPad 380	Pent-™/150	16MB	1.08GB	12.1 Dual Scan	$1634.
ThinkPad 380D	Pent-™/150	16MB	1.35GB+8X	12.1 Dual Scan	$1904.
ThinkPad 560	Pent-133	8MB	2.1GB	11.3 Dual Scan	$1632.
ThinkPad 560	MMX/150	16MB	2.1GB	Dual Scan	$2502.
ThinkPad 560	Pent-133	8MB	2.1GB	12.1 Active	$2720.
ThinkPad 560	MMX/166	16MB	2.1GB	12.1 Active	$3895.
ThinkPad 760XD	MMX/166	32MB	3.0GB+8X	12.1 Active	$4216.
ThinkPad 760XI	MMX/166	16MB	2.1GB	12.1 Active	$3423.
ThinkPad 760XL	MMX/166	32MB	2.1GB	12.1 Active	$3754.
ThinkPad 765D	MMX/166	32MB	3.0GB+8X	13.3 Active	$5240.
ThinkPad 765L	MMX/233	32MB	3.0GB	13.3 Active	$4897.
ThinkPad 770	MMX/233	32MB	4.0GB	13.3 Active	CALL
ThinkPad 770	MMX/233	32MB	4.0GB	13.3 Active	CALL
ThinkPad 770	MMX/233	32MB		13.3 Active	CALL
ThinkPad 770	MMX/233	32MB	3.2GB	13.3 Active	CALL

TECRA 750CDT $6???

TECRA 740CDT $4???

TECRA 530CDT $4???

TOSHIBA

In Touch with Tomorrow

Win95 INSTALLED

ENGINEERED BEYOND YOUR WILDEST DREAMS:

Toshiba's Tecra™ 750CDT: State-of-the-Art Technology for the Ultimate in Performance, Advanced Multimedia & Desktop Replacement

PENTIUM™ BLOCKBUSTER! THE WORLD'S FASTEST NOTEBOOK!

- Pentium™ 233 MMX Processor
- 512K Level - 2 Cache
- 4.77 GB Hard Drive, 20X CD-Rom
- Active Color 13.3" Display
- K56 Upgradable Modem w/ Camera
- Optional Desk Station & DVD-Rom

Model	Processor	Ram	HD	Screen	Price
50CT	Pentium™/75	16MB	772MB	6.1" Active Clr.	$1898.
220CDS	Pentium™/133	16MB	1.34GB+10X	12.1" Dual Scan	$1748.
400CDS	Pentium™/75	8MB	500MB+4X	10.4" Dual Scan	$1098.
430CDT	Pentium™/120	16MB	1.2GB+10X	11.3" Active Clr.	$1998.
440CDX	P133-MMX	16MB	1.34GB+10X	12.1" Fast Scan	$2898.
440CDT	P133-MMX	16MB	1.34GB+10X	12.1" Active Clr.	$2658.
460CDT	P166-MMX	32MB	2.02GB+10X	12.1" Active Clr.	$3598.
3600CT*	486 DX2-50	8MB	250MB	8.4" Active Clr.	$998.
3600CT*	486 DX2-50	8MB	500MB	8.4" Active Clr.	$998.
650CT	Pentium™/133	16MB	1.2GB	11.3" Active Clr.	$2998.
660CDT	Pentium™/150	16MB	1.35GB+10X	11.3" Active Clr.	$3198.
300CT	P133-MMX	32MB	1.51GB	10.4" Active Clr.	$3348.
510CDT	Pentium™/133	16MB	2.1GB+10X	12.1" Active Clr.	$2648.
520CDT	P166-MMX	32MB	2.02GB+10X	12.1" Active Clr.	$4178.
530CDT	P166-MMX	32MB	2.02GB+10X	12.1" Active Clr.	$4348.
730XCDT	P150-MMX	16MB	2.1GB+6X	13.3" Active Clr.	$3498.
740CDT	P166-MMX	16MB	3.0GB+10X	13.3" Active Clr.	$4898.
740CDT-NT	P166-MMX	16MB	3.0GB+10X	13.3" Active Clr.	$5398.
740CDT	P166-MMX	16MB	2.1GB+10X	13.3" Active Clr.	$4698.
750CDT	P233-MMX	32MB	4.77MB+20X	13.3" Active Clr.	$6446.

*SubNotebook

Model	Processor	Ram	HD	OS	Price
VL5 5/166	MMX/166	16MB	1.6GB	W-95 / WFW	$998.
VL5 5/166	MMX/166	16MB	1.6GB	W-95 / WFW	$1078.
VL5 5/166	MMX/166	16MB	2.5GB+24X	W-95 / WFW	$1178.
VL5 5/166	MMX/166	16MB	2.5GB	W-95 / WFW	$1028.
VL5 5/166	MMX/166	32MB	2.5GB	W-NT 4.0	$1218.
VL5 5/200	MMX/200	16MB	2.5GB	W-95 / WFW	$1098.
VL5 5/200	MMX/200	16MB	2.5GB	W-95 / WFW	$1188.
VL5 5/200	MMX/200	32MB	2.5GB+24X	W-95 / WFW	$1338.
VL5 5/233	MMX/233	32MB	2.5GB	W-95 / WFW	$1318.
VL5 5/166	MMX/166	16MB	2.5GB	W-95 / WFW	$1088.
VL5 5/166	MMX/166	16MB	2.5GB+24X	W-95 / WFW	$1238.
VL5 5/200MT	MMX/200	32MB	2.5GB	W-NT 4.0	$1348.
VL5 5/200MT	MMX/200	32MB	2.5GB+24X	W-95 / WFW	$1398.
VL5 5/233	MMX/233	32MB	4.0GB+24X	W-95 / WFW	$1578.
VL6	Pent-II/233	32MB	2.5GB	W-NT 4.0	$1898.
VL6	Pent-II/233	32MB	2.5GB	W-95	$1798.

DESKTOPS

Model	Processor	Ram	HD	Screen	Price
Vision Book Elite	Pentium™/166MMX	16MB	2.1GB+10X	13.3" Active Clr.	$4398.
Vision Book Pro	Pentium™/133MMX	16MB	1.44GB+10X	12.1" Active Clr.	$2948.
Vision Book Pro	Pentium™/166MMX	32MB	2.1GB+10X	12.1" Active Clr.	$4128.
Vision Book Pro	Pentium™/166MMX	32MB	3.0GB+10X	13.3" Active Clr.	$4548.
Vision Book Plus	Pentium™/133	16MB	144GB+10X	12.1" Dual Scan	$1658.
Vision Book Plus	Pentium™/150MMX	16MB	144GB+10X	12.1" Dual Scan	$2298.

Hitachi Notebooks

COMPAQ - LAPTOPS

Model	Processor	Ram	HD	Screen	Price
1550DMT	Pent-™/133	16MB	1.4GB+10X	12.1" Active Clr	$2378.
1530DM	Pent-™/133	16MB	1.4GB+10X	12.1" Dual Scan	$1868.
4131T	Pent-™/133	16MB	1.4GB	12.1" Active Clr	$1898.
4150	Pent-™/150MMX	16MB	1.6GB	12.1" Dual Scan	$2088.
4160T	Pent-™/166MMX	16MB	2.0GB	12.1" Dual Scan	$3178.
4160TSL	Pent-™/166MMX	16MB	2.0GB	12.1" Active Clr	$3368.
7330T	Pent-™/150MMX	16MB	2.1GB	12.1" Active Clr	$3088.
7350MT	Pent-™/166MMX	32MB	2.1GB	12.1" Active Clr	$3548.
7710MT	Pent-™/150MMX	16MB	1.6GB	12.1" Active Clr	$2618.
7730MT	Pent-™/166MMX	32MB	2.1GB	12.1" Active Clr	$4108.
7750MT	Pent-™/166MMX	32MB	3.0GB	12.1" Active Clr	$4671.
LTE5400	Pent-™/150	32MB	2.16GB	12.1" Active Clr	$3048

COMPAQ - DeskPro Desktops

Model	Processor	Ram	HD	OS	Price
DP-2000	Pent-™/166MMX	16MB	2.1GB	Windows 95	$998.
DP-2000	Pent-™/166MMX	16MB	3.2GB	Windows 95	$1058.
DP-2000	Pent-™/200MMX	16MB	2.1GB	Windows 95	$1118.
DP-2000	Pent-™/200MMX	32MB	3.2GB	Windows 95	$1268.
DP-2000	Pent-™/233MMX	32MB	3.2GB+16X	Windows 95	$1628.
DP-2000	PPro-200	16MB	2.5GB+8X	Windows NT 4.0	$1898.
DP-2000	Pent-™/166MMX	32MB	3.2GB+16X	Windows 95	$1358.
DP-2000	Pent-™/200MMX	32MB	3.2GB+16X	Windows 95	$1468.
DP-2000	PPro-200	32MB	2.5GB+8X	Windows NT 4.0	$1998.

SERVICE

Let our "Computer Doctors" diagnose and repair your desktops or notebooks.

If we can't fix it, no one can!!

Authorized Premier Service Provider TOSHIBA

Factory authorized service center for:

Toshiba (Premier Service Provider), HP, Compaq, AST, Zenith & Apple

HEWLETT PACKARD

NEC POWERMATE DESKTOP

Pentium-200, 16MB RAM, 2.5 GB Hard Drive, 16X CD-ROM, Sound Blaster Card, Mouse, Keyboard, Win-95, 3 Year Warranty

$998*

HARD DRIVE UPGRADES

Manufacturer	1.4 GB	2.1GB	3.0GB
Toshiba*	$378.	$548.	$848.
Compaq*	$378.	$548.	$848.
IBM*	$378.	$548.	$848.

*Most Models

for Toshiba, Compaq, IBM, NEC, TI and other Laptops

Memory for Toshiba Tecra 710/720/730/740

64MB $698 128MB $998

DISCOVER MasterCard VISA C.O.D. Cashiers Checks

Written authorization required on all credit cards for verification.
We report to police for stolen cards

LOW, LOW PRICES

Future Computing Solutions, Inc.

"In Touch With Your Computing Needs."

Northern California • Alameda, CA 94502

Future Computing Solutions, Inc. Internet Address:www.FCSinet.com

(510) 337-9034 OR (510) 337-9036 FAX

Policy: Prices and availability subject to change without notice. All prices shown are after deducting 3% cash discount. For other forms of payment, 3% will be added to the price. We ship by U.P.S., Fedex, DHL. NO returns without RMA. 20% restocking charge on returned items. All sales final. Not responsible for compatibility. We check for stolen credit cards. Not responsible for typing errors. All manufacturer warranties apply. Limited parts labor & warranties. All trademarks are registered trademarks of their respective companies.

The 3 most important factors in web hosting:

VALUE. VALUE. VALUE.

Where else can you get quality customer service, redundant backbone connection plus the latest features from

$14.95 per month?

- 20 MB of Disk Space
- 1500 MB of Transfer/month
- Front Page support
- Autoresponder
- Access to our SSL secure server
- Your own CGI-BIN Directory
- 'Ready-to-run' CGI scripts
- Usage Statistics

Also offered:

- Active Server Page support
- Cold Fusion support
- Shopping Cart
- Database Hosting
- RealAudio/RealVideo

Check out our excellent Referral and Reseller programs

A Division of Dynatek Infoworld, Inc.
http: //sitehosting.net
e-mail: info@sitehosting.net
Toll free: (888)463-6168

SiteHosting.net

Where Will Your Career Be By The Year 2000?

Get Certified Now!

Novell/Microsoft CERTIFICATION

— Test Preparation Programs —

Guarantee to pass all tests the first time.
Unlimited hands-on practice.

FREE SEMINARS:
Call now to reserve your space!

LANOP

http://www.lanop.com

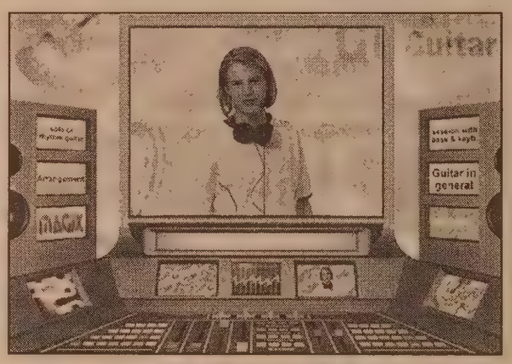
SAN FRANCISCO	415/344-0699
EMERYVILLE	510/595-1575
SAN JOSE	408/441-9902
LOS ANGELES	310/215-0405

Product Announcements *continued...*

dential phone listings for the entire US. Then, the listings can be mapped on DeLorme's mapping software program, Street Atlas USA 4.0. Users can export Phone Search USA data, or portions of the data, for use in applications such as databases or contact managers. The data also can be printed directly onto Avery labels. The listings can be searched by name, phone number or SIC code (business type) as well as filter searches by name, street, city, state, phone exchange or ZIP code. ($29, Macintosh and Windows) DeLorme, Inc., Two DeLorme Dr., P.O. Box 298, Yarmouth, ME 04096. 1-800-452-5931. URL: *http://www.delorme.com* .

music maker 3.0

MAGIX Entertainment has released music maker 3.0, a music manipulation program for PCs. With MAGIX music maker 3.0's easy-to-use drag-and-drop interface, even PC beginners and non-musicians are able to produce their own songs quickly and easily. MAGIX's music maker 3.0 comes with a sound pool CD-ROM containing more than 1200 CD-quality samples in various styles (Rock, Pop, House, and Techno). These samples are recorded by professional musicians and can be arranged with a simple mouse click; the user selects the samples they want to use and mixes them in the 16-track arranger. All important functions operate while playing, which means you can load a different sound from a sound pool CD-ROM, place it, move it, blend it or even delete it without interrupting playback. ($49.99) MAGIX Entertainment, (310)656-0644. Email: *magix@loop.com* .



ChromaFax Color Faxing Software

Compressent Corp. has introduced ChromaFax, a software package that allows users to send and receive color faxes from their PC. Using ChromaFax, computer-generated or digitized (scanned/photographed) documents that are in color or black-and-white can be computer-faxed to peo-

NEW! Color Fax!
CONUS!
CHROMA FAX
• Fax in color or black & white to any Windows 95 PC
• Turn your color printer into a plain-paper fax
• Send by fax faster than by e-mail
• Send to any fax device – black & white or color
Fax in color!
For Microsoft Windows® 95

Repairs & Upgrades While You Wait!

Lifetime Labor Warranty on All Computers

Call for Custom System & Network Configurations! | **Delivery & On-Site Available**

HOLIDAY SPECIAL

- **Pentium® Chip-Based PCI Motherboard**
- **512K Pipeline Burst Cache**
- Intel™ Triton TX Chipset
- 16MB EDO RAM exp. to 128MB (72-pin)
- 1.6GB Hard Drive
- Diamond Stealth 64 PCI Video w/2MB
- Built-in IDE/IO Controller (16550)
- 24X Toshiba CD-ROM
- MCD 16-Bit Sound Card w/Speakers
- 1.44 Floppy Drive
- 15" SVGA .28 Non-Int. Color Monitor 1280x1024 w/Digital Control
- Mini-Tower Case w/250W Power
- 104 Key Windows 95 Keyboard
- Mouse w/Pad
- Over 500 Titles Value CD

P5-233 ..... $985
P5-166MMX 815
P5-200 820
P5-200MMX 905

SUPER POWER MULTIMEDIA

- 32MB EDO RAM
- 4.3GB EIDE Fast Ultra DMA/33
- 24X Toshiba CD-ROM
- US Robotics 56.6 Fax Modem, Internet Ready
- Diamond Stealth 3D 4MB VRAM
- 16-Bit Sound Card
- Speakers 240W
- 1.44MB 3.5" Floppy Drive
- Mid-Tower Case with Power Supply
- Keytronics Keyboard for Windows 95
- Microsoft Mouse with Pad
- Free CD Deluxe Pack

Pentium® II-300 Intel Atlanta ATX $1700
Pentium® II-266 Intel Portland ATX 1600
Pentium® II-233 Intel Portland ATX 1400
Pentium® Pro-200 Intel Venus ATX 1480

DREAM MULTIMEDIA

- **Pentium® Chip-Based Intel™ Tucson Motherboard**
- **512K Pipeline Burst Cache**
- Intel™ Pentium® Processor w/heatsink & fan
- 16MB EDO 60ns Memory
- **1.2GB EIDE Hard Drive**
- 2MB PCI SVGA Card
- **24X Toshiba CD-ROM**
- 16-Bit SoundBlaster
- 240-Watt Stereo Speakers
- 1.44 Floppy Drive
- ATX Medium Tower Case w/250W PS
- MS Mouse
- Windows 95 Keyboard
- Over 500 Titles Value CD

P5-166 Tucson $750
P5-166MMX Tucson 750
P5-200 Tucson 730
P5-200MMX Tucson 850

DELUXE MULTIMEDIA

- **512K Cache TX Chipset**
- **8MB RAM**
- **1.6GB Fast IDE Hard Drive, WD**
- PCI IDE with I/O
- PCI SVGA Card w/1MB
- **24X Toshiba CD-ROM**
- 16-Bit Sound Card & Speakers
- 1.44MB 3.5" Floppy Drive
- 14" SVGA .28 Non-Int. Color Monitor
- Mini Case with 230W PS
- FCC 104 Keyboard
- Mouse with Pad
- Over 500 Titles Value CD

P5-233 ..... $900
P5-166MMX 730
P5-200 720
P5-200MMX 830

VALUE SYSTEM

- **Pentium® Chip-Based Intel™ PCI Motherboard**
- **512K Pipeline Burst Cache**
- **Intel™ Triton Chipset TX**
- **8MB RAM**
- **1.6GB 10ms IDE Hard Drive**
- 1.44MB 3.5" Floppy Drive
- Built-in IDE/IO Controller (16550)
- PCI SVGA Card w/1MB, 64 Bit
- **14" SVGA .28 Non-Int Color Monitor**
- Mini Case with 230W PS
- FCC 101 Keyboard
- Mouse with Pad

P5-233 ..... $780
P5-166MMX 610
P5-200 600
P5-200MMX 700

SUPER SALE

Monitor Mirror/Microphone	$6/6
Sony 15" 100SX .25 Retail Pkg.	300
Floppy Diskette	22¢
HP Ink Cartridge 500/600/800 Series	16/16/18
HP 890C Printer	430
HP 6Lse Printer	355
HP 5/SE LaserJet Printer	975
HP 694C	250
HP 672C Printer	190

SOFTWARE (W/SYSTEM PURCHASE)

Windows 95 Full Copy CD Version	$80
Dos 6.x	30
Office Professional 97 CD Version	190
Windows 3.x	40
Windows for Workgroups	48
Windows NT 4.0 Server CD	480
Windows NT 4.0 Workstation CD	180

MOTHERBOARD w/o CPU

Intel™ Atlanta w/Sound	$230
Intel™ Venus Pentium® Motherboard w/Sound	145
Intel™ Tucson Pentium® Motherboard Triton II w/Sound	178
New Pentium® Motherboard supports 90-266MHz	90

MEMORY/CACHE

2x32 60ns, 72-pin, 8MB/EDO	$21
4x32 60ns, 72-pin, 16MB EDO	39
8x32 60ns, 72-pin, 32MB EDO	74

CPUs

Intel™ (with M/B Purchase)

Intel™ P5-200 MMX	$170
Intel™ P5-166MMX	CALL
Intel™ P5-233MMX	CALL
Intel™ Pro-200	CALL
Pentium® II 233	CALL
Pentium® II 266	CALL
Pentium® II 300	CALL

CASE & POWER SUPPLY

ATX Case w/250W PS Dig.	$56
Mini Tower Case w/230W PS Dig.	23
Mid Tower Case w/250W PS Dig.	37
Full Tower Case w/250W Dig.	49
250W Power	19

FLOPPY DRIVE

1.44 MB	$18

MOUSES

3-Button/Microsoft	$5/19

HARD DRIVES

1.6GB IDE	$120
2.1GB DE	150
2.7GB IDE	160
3.2GB IDE WD	185
4.3GB IDE Ultra DMA/33	255
2.0GB UW SCSI	288
4.3GB UW SCSI	750

KEYBOARDS

Keytronics 104-Enhanced Win 95	$16
MS Natural Keyboard	57
Mitsumi 104 Windows 95 Keyboard	10

TAPE BACKUPS

Colorado

DJ-25 3000 3.2GB	$165

VGA CARDS

S3 w/1MB Cirrus Logic	$24

Diamond

Stealth 64 PCI, 2MB DRAM Video 2001	$45
Stealth 3D 2MB DRAM	65
Stealth 64 PCI 2MB VRAM 3D	103
Stealth 3D 4MB VRAM	139

SPEAKERS

Deluxe Speakers	$5
100-Watt Stereo Speakers	13
240-Watt Stereo Speakers	26

CD-ROM/SOUND CARD

Sound Blaster Pro 16 PNP/64 AWE/ IDE Interface	$46/79
16-Bit Sound, Win 95, PnP	16
24X Toshiba CD-ROM Drive	75

CD TITLES

Over 100 New Titles In Stock

Eureka Pack Over 500 Titles CD Pack $30

Compton Interactive Encyclopedia, Contraption Zack, D/Generation, Epic, F29 Retaliator, Life & Death II, The Brain, Mavis Beacon Teaches Typing, Might & Magic II, Push Over, Robo Cop 3D, The Chess Master 2100, The Chess Master 3000, US Atlas, World Atlas

UPGRADING CHARGES

Labor charges are the following:

CPU & Memory Upgrade	FREE
System Diagnostic Checkup	$10
Multimedia Kit Installation	20
Installation for HDD	10
Video Card + Driver Setup	10
Install Motherboard	20
Install Floppy Drive	$10
Install New & Power Supply	10
Install Tape Drive	10
Install Fax/Modem	10
Install Software/Setup	25
System Troubleshooting	30

MONITORS

14" Super VGA 1024x768 .28, MGC	$150
15" SVGA/Dig 1280x1024 .28, MGC	200
17" SVGA/Dig Impression .27	395

NEC

Multisync 17+/P750	$633/815
Multisync 21 1100/XP 21 P1150	1200/1310

SONY

15" 100SX .25	$300
15100SF 15" 1280x1024 .25	335
17 200SX/17" 1280x1024 .25 SF	$570/660
300SFT 20" .30	1290

VIEWSONIC

15GS 15" 1280x1024 .28, 60Hz	$270
17GS 17" 1280x1024 .27	515
PT770 17" 1600x1280 .25	610
17PS 17" 1600x1280 .25 Green	615
G800 20" 1600x1280 .28	950
PT813 21" 1600x1280 .25	1320

Monitor viewable size may be smaller advertised size.

FAX MODEM

56K Fax Modem w/Voice Supra	$85

US Robotics

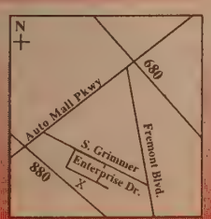
Sportster 56K w/Voice Int/Ext	145/175

NETWORKING

3COM

3C509 Etherlink III TP/Combo	$49/69
3C562 PCMCIA 33.6 & 10 Base-T	$299
3C589 PCMCIA TP/COMBO	$135/169
3C900 Etherlink III PCI TP/Combo	$59/89
3C905-TX PCI 10/100 TP	$65
3C16701 TPC Office Connect HUB	$125
3C205B TX1 SuperStack II 100Base-T Hub	$1099

Terms & Conditions: Prices and availability subject to change without notice or obligation. Shipping, COD & insurance are extra and are not refundable. Prices reflect cash discount. All returns must have prior authorization. All returns must be in original packaging and complete. 15% restocking charge on returns after 3 days. Not responsible for typographical errors. Pentium® is a registered trademark of Intel Corporation.



Hours:
M-F 9-5:30
Sat 10-4

VISA MasterCard

AMERICA COMPUTER

4450 Enterprise Street #108, Fremont, CA 94538

(510) 226-0258 Fax: (510) 226-0261

www.AMERICA-COMPUTER.com • email: AMECOM@AOL.com

Quality Profesional Solution

"For overall performance, design and configuration, the *InfoGOLD* takes the GOLD."

EDITORS' AWARD

Monthly System Special

InfoGOLD Complete Multimedia/Internet Solution #4400

Intel Pentium MMX *166Mhz:* $1,125 /200Mhz: $1,225

- 512K Pipeline CACHE
- 32MB HIGH SPEED EDO RAM
- ASUS SYSTEMBOARD/ INTEL CHIPSET
- PCI LOCAL BUS, FLASH PnP BIOS
- 1.44MB TEAC FLOPPY DRIVE
- CPU HEATSINK WITH COOLING FAN
- PCI ATI 3D PLUS S-VGA VIDEO ACCELERATOR CARD W/ 2MB RAM
- 2.1 GB ULTRA DMA/33 QUANTUM HARD DRIVE
- 15" S-VGA IMPRESSION 5PLUS MONITOR
- 24X SPEED TOSHIBA CD-ROM DRIVE
- SOUNDBLASTER SOUND CARD & STEREO SPEAKERS
- CUSTOM MID SIZE TOWER CASE WITH FANS
- 33.6K DIAMOND DATA FAX MODEM WITH VOICE
- 104 WIN'95 ENHANCED KEYBOARD
- MICROSOFT ERGONOMICAL MOUSE

Toshiba Notebook Special $1,979

***440CDX* With Intel Pentium 133Mhz MMX CPU**

- 12.1" HIGH CONTRAST COLOR DISPLAY
- 16MB EDO RAM, UPGRD. TO 128MB
- 2MB EDO VIDEO RAM, MPEG
- 16 x Speed CD ROM DRIVE
- 1.44MB FLOPPY DRIVE (REMOVABLE)
- WIN'95 KEYBOARD
- BUILT-IN MICROPHONE
- BUILT-IN STEREO SOUND & SPEAKERS
- 1.35GB HARD DISK DRIVE
- FAST IrDA (InfraRed) PORT
- TWO PCMCIA TYPE II, III
- MICROSOFT WINDOWS 95
- OPTIONAL 33.6K FAX MODEM
- 3 YEARS WORLDWIDE WARRANTY FROM TOSHIBA

Chembook Notebook Special $2,189

Model 9750* With Intel Pentium *166Mhz MMX CPU

- 12.1" TFT ACTIVE MATRIX COLOR DISPLAY
- 16MB EDO RAM, UPGRD. TO 128MB
- 2MB EDO VIDEO RAM, MPEG
- 20 x Speed CD ROM DRIVE
- 1.44MB FLOPPY DRIVE (REMOVABLE)
- DETACHABLE WIN'95 KEYBOARD
- BUILT-IN STEREO SOUND & SPEAKERS
- BUILT-IN MICROPHONE
- 2.1GB HARD DISK DRIVE
- FAST IrDA (InfraRed) PORT
- TWO PCMCIA TYPE II, III
- MICROSOFT WINDOWS 95
- FREE LEATHER CARRY CASE
- LITHIUM-ION BATTERY
- OPTIONAL PORT REPLICATOR
- OPTIONAL 33.6K FAX MODEM

Hewlett Packard Printer Specials

HP692C Inkjet Color With Photo Cartridge: $269.
HP890C Inkjet Color With Photo Cartridge: $429.
All other models are available at Great prices!

Award winning InfoGOLD NT Servers with Intel Pentium II Processors custom configured!

InfoGOLD
American Multisystems
1830 Houret Ct
Milpitas CA 95035

INTERNET: www.infogold.com
e-mail: infogold@infogold.com
CALL : 408.945.2296
FAX : 408.945.2299

Pentium is a trademark of Intel Corporation. Other Trademarks are property of their respective owners. Prices subject to change without notice. Not responsible for typos.

Product Announcements *continued...*

ple who don't have email or compatible email systems. The faxing software can be used in conjunction with a TWAIN-compliant scanner or digital scanner in addition to documents originating on the computer. Compressent promises that users of ChromaFax will save time over email, courier or shipping services and that using ChromaFax is much more cost-effective than the aforementioned methods. ($69.95, for Windows 95) Compressent Corp., (408)879-6600. URL: *http://www.compressent.com*.

The Print Shop Premier Edition 5.0

Brøderbund has unveiled The Print Shop Premier Edition 5.0, a completely revamped version of its popular publishing software. Combining traditional ease-of-use with brand-new project features, The Print Shop Premier Edition 5.0 helps consumers create professional-quality invitations, signs, note cards, stationery, banners and pamphlets. A completely redesigned interface allows users to send online greetings and add photos to calendars and greeting cards within minutes. The Print Shop Premier Edition 5.0 also features a multimedia tutorial, TWAIN support for scanners and digital cameras, a logo-creation engine, and the ability to personalize Post-it Notes. The product also includes easy-to-use text and photo-editing tools, 1,000 professionally designed QuickStart Layouts, 2,000 quotes and verses, and more than 23,000 graphics and photos to drop directly into documents. ($49.95) Brøderbund Software Inc., (415)382-4564. URL: *http://www.broderbund.com* or *http://www.printshop.com*.

PORTABLE COMPUTING

WinBook XL Series

The WinBook XL Series of high-end presentation notebooks feature Intel 233MHz Pentium processors with MMX technology running at 1.8v, 256KB of Level 2 cache, 32MB of EDO RAM, expandable to 128MB, 3GB hard drive, integrated 16-bit stereo audio, and 20x variable speed CD-ROM. It is offered with a 13.3" XGA (1028 x 768) active-matrix color screen or a 12.1" SVGA (800 x 600) active-matrix color screen. All WinBook XLs come equipped with both a pointing stick embedded in the keyboard and a touchpad in the palmrest as standard equipment.

continued on page 182

Your Bar Code Automation Solution Specialist

Since 1986 Variant Microsystems has been the leader in bar-code decoders, scanners, and data collection solutions. We offer you expert consultation, installation, service and support on all systems. Our product line includes hand-held, fixed-mount scanners, bar-code printers, RF systems.

END OF '97 BLOWOUT

- LS-1000 Symbol Spark Bar Code Laser Scanner **$295**
- WK2080 Symbol Commercial Laser Scanner for PC . **$488**
- QS-600 PSC QuickScan Bar Code Laser Scanner for PC. **$395**
- WT-212 Track 2 Magnetic Card Reader for PC. **$89**
- T-300 Zebra Thermal Printer **$595**

Hurry for Best Selection, Sale Ends 12/31/97

Call for Pricing on Pre-Owned Bar Code Equipment

TURNKEY SOLUTIONS

We offer turnkey bar coding solutions: software customization, hardware set-up installation, training support.

INVENTORY ASSET TRACKING

Variant Microsystems offers software to track assets inventory, documents, etc. Most work in conjunction with portable data terminals for a complete solution.

WEDGE DECODERS

External wedge decoders allow you to connect undecoded bar code readers (laser, CCD, etc.) to your PC or UNIX terminal. Very programmable.

LABEL PRINTING SERVICES

Have us print your custom labels for shipping, asset tracking (serial numbers, retail scanning, UPC, etc.)

FREE TECHNICAL SUPPORT!

Dealer, VAR, and Corporate Inquiries Welcome

CCD SCANNERS

We carry major manufacturers including:
Opticon
Welch Allyn • Unitech
VM5125 List $395

$149

LASER SCANNERS

Our solutions include, hand held, fixed mount, raster by:
Symbol • PSC
Percon • Welch Allyn
Metrologic • Microscan

BAR CODE PRINTING SOFTWARE

Powerful, easy-to use Windows software. Design & print bard code labels, Windows 95 & NT compatible. Prints on all thermal laser, and dot matrix printers. **Any Label**, user friendly Windows based bar code printing software,
Starting at $149

PORTABLE DATA COLLECTIORS

Collect data remotely and upload into your PC. Well suited for inventory-control warehouse application, etc. Use with a built-in laser scanner, or CCD or wand. Works with Windows software. We provide soutions from:
Symbol • Percon • Unitech - PT-815 LIST $719

$395

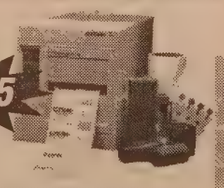
PRINTER SUPPLIES

Labels (Paper, Kimdura, Polyester, Kapton) & Ribbons for Various Applications.

PRINTER BAR CODE LABELS

Thermal, Transfer, Direct, Thermal Solutions from:
Zebra • Datamax
Eltron • C. Itoh • Comtec
T4 List $1995

$1595



Prices subject to change without notice. Not responsible for typographical errors.

800-827-4268
Phone: 510-440-2870
Fax: 510-440-2873
e-mail: sales@variantusa.com
Visit our Web Site:
www.variantusa.com
46520 Fremont Blvd. Suite 614, Fremont, CA 94538

NO DOWN INTEREST* FOR 6 MONTHS

SHOP ON LINE www.symphony

All The Information You'll Ever Need Is Available With a Simple Click Of a Mouse. From Getting a Quotes For Your Custom Built System

Featuring High Performance Intel Pentium®

OPEN 7 DAYS

symphony

ORDER NOW!
18576 Prospect Rd.
Saratoga, CA 95070
Tel: (408) 777-8223
Sales Ext. 24, 25, 26
Fax: (408) 777-9565
Web site: www.symphonycomputers.com

Weekday
Sales: Mon-Fri - 9:00AM-8PM
Service: Mon-Fri - 10:00AM-5PM
Weekend
Sales: Sat-Sun - 10AM-5PM
Service: Closed

FREE LOTUS SMART SUITE 97 SOFTWARE (Limited Time Offer)

No Surcharge
• Must Call Store For Complete Details

Warranty Does Not Cover Software Problem.Carry-In Service Only.Prices, Specification, Terms & Conditions are subject to changewithout notice. Not responsible for typographical errors. Prices good with this ad only, and must be shown at the time of purchase. Pentium is a Registered Trademark of Intel Coporation. RO & Net Term Subject to Credit Approvals. FOB SANTA CLARA. * IF PURCHASE PRICE IS NOT PAID IN FULL WITHIN 6 MONTH, FINANCE CHARGES ASSESSED FROM DATE OF PURCHASE.

INFINITY-2000™ SILVER-100

- Intel Pentium® with MMX Technology Processor or AMD K6® Enhanced Processor or Cyrix® 6x86 & MX™ Processor
- Intel® 430 VX PCIset
- 512K Cache Installed
- **16MB EDO RAM Installed High Speed 60ns**
- Teac 1.44MB 3.5" Drive
- FUJITSU HIGH PERFORMANCE 2.6GB E-IDE 11ms Hard Drive
- OFFICE PRO 1MB Windows Performance, MPEG Video Playback PCI Video Card
- On Board PCI Bus Master IDE and Super Multi I/O 2-Hi Speed Serials & 1 Parallel Ports
- Mitsumi 104 Keys Enhanced Keyboard
- Ultra Mini Tower Case w/230W Power Supply
- MONITOR NOT INCLUDED

Cyrix® 6x86 P200+	$ 478
Cyrix® 6x86 P166+	$ 468
Cyrix® 6x86 MX™ PR200	$ 548
Cyrix® 6x86 MX™ PR166	$ 508
AMD K6® MMX™ 233MHz	$ 758
AMD K6® MMX™ 200MHz	$ 598
Intel® Pentium® MMX™ 233MHz	$ 738
Intel® Pentium® MMX™ 200MHz	$ 658
Intel® Pentium® MMX™ 166MHz	$ 548

INFINITY-2000™ DIAMOND-800

- Intel® Pentium® II MMX® Performance 440FX PCIset System Board
- Intel® Pentium® II MMX® Technology Processor & CPU Fan
- 512K Internal Cache
- Teac 1.44MB 3.5" Drive
- **32MB EDO RAM High Speed 60NS**
- Diamond Stealth 3D 2000 4MB EDO RAM High Quality High Performanced 3D Rendering, Realistic Color and Resolution TV-Quality MPEG Video Playback Video Card
- 17" HUNDAI Non-Interlaced .28 (1280x1024) Digital Control & EPA "Energy Star" Monitor
- Mitsumi WIN '95 104 Keys Enhanced Keyboard
- FUJITSU Highest Performance 2.6GB E-IDE Fast 11MS Hard Drive
- YAMAHA OPL3-SA Audio Sound Subsystem
- TEAC Fast 24X Speed E-IDE CD-Rom Drive
- Genius Netmouse Surfing the Net w/ a Magic Button
- Super 200W Amplified Multimedia Speakers
- Windows '95 w/ Manual & CD
- Deluxe ATX Format Medium Tower Case w/250W PS
- Free 56K Technology Voice Messaging Fax/Modem (Limited)
- **FREE LOTUS SMART SUITE 97** (Limited Time Offer)

FREE 56K TECHNOLOGY VOICE MESSAGING FAX/MODEM (Limited Offer)

INTEL® PENTIUM® II MMX™ 300MHz	$1998
INTEL® PENTIUM® II MMX™ 266MHz	$1898
INTEL® PENTIUM® II MMX™ 233MHz	$1758

INFINITY-2000™ DIAMOND-750

- Genuines Intel® Pentium® MMX™ Performance
- LONE TREE 430 TX PCIset System Board
- Intel Pentium® Chip Processor & CPU Fan
- 512K Pipline Burst Cache Installed
- 32MB 168-PIN SDRAM 3.3V DIMM
- Teac 1.44MB 3.5" Drive
- MAXTOR HIGH PERFORMANCE 4.3GB FAST ULTRA DMA Hard Drive
- NEW MATROX 220 Mystique Lightning Fast Windows 3D Texture Mapping. Powerful 4MB SGRAM Video Accelerator & Real Time 3D Graphics Video Card
- SONY 17" New 200SX Trinitron On Screen Controls .25 Dot Pitch monitor
- **IOMEGA 100MB INTERNAL ZIP DRIVE**
- Mitsumi WIN '95 104 Keys Enhanced Keyboard
- New Deluxe ATX Format Medium Tower Case w/250W PS

FREE 56K TECHNOLOGY VOICE MESSAGING FAX/MODEM (Limited Offer)

DIAMOND-750 Multimedia Package:

- CreativeLabs Sound Blaster AWE64WaveTable SoundCard
- SMART Fast 100X E. IDE CD-Rom Drive
- Super 240W Amplified Subwoofer Speakers
- Genius Netmouse Surfing the Internet with a Magic Button
- Free New Windows '95 W/manual & Cd
- Free 56K Technology Voice Messaging Fax/Modem (Limited)
- **FREE LOTUS SMART SUITE 97** (Limited Time Offer)

Intel® Pentium® MMX™ 233MHz	$2248
Intel® Pentium® MMX™ 200MHz	$2138
Intel® Pentium® MMX™ 166MHz	$2058

INFINITY-2000™ GOLD 100

INTEL PENTIUM® PROCESSOR WITH MMX™ TECHNOLOGY/ AMD K6® ENHANCED PROCESSOR OR CYRIX® 6x86 & MX™

2.6GB / 16MB EDO RAM MULTIMEDIA COMPUTER SYSTEM
24X SPEED CD-ROM • 33.6 FAX/MODEM W/VOICE • 512K CACHE

- Intel Pentium® With MMX™ Technology Processor or AMD K6® MMX Enhance Processor or Cyrix® 6x86 & MX™ Processor
- Intel 430 VX PCIset
- **512K Pipeline Burst Cache**
- **16MB EDO RAM High Speed 60NS**
- Teac 1.44MB 3.5" Drive
- **OFFICE PRO 2MB Windows Performance, MPEG Video Playback PCI Video Card**
- Mitsumi WIN '95 104 Keys Enhanced Keyboard
- YAMAHA OPL3-SA Sound Audio Subsystem
- FUJITSU HIGH PERFORMANCE 2.6GB E-IDE 11MS Hard Drive
- **TEAC FAST 24X SPEED E-IDE CD-ROM DRIVE**
- Genius Netmouse Surfing the Internet with a Magic Button
- Super 200W Amplified Multimedia Speakers
- Windows '95 w/ Manual & CD
- Enhanced Mini Tower Case w/250W PS
- MONITOR NOT INCLUDED

FREE NEWCOM 33.6 VOICE MESSAGING FAX/MODEM (Limited Offer)

FREE LOTUS SMART SUITE 97 (w/ System Purchase Only - Limited Time Offer)

INTEL PENTIUM® MMX™	
MMX 233MHz	$ 978
MMX 200MHz	$ 888
MMX 166MHz	$ 798

AMD K6® MMX™	
MMX 233MHz	$1058
MMX 200MHz	$ 848

CYRIX® 6x86 MX™	
6x86 MX 200	$ 778
6x86 MX 166	$ 748

CYRIX® 6x86	
6x86 P200+	$ 728

INFINITY-2000™ GOLD 200

INTEL PENTIUM® PROCESSOR WITH MMX™ TECHNOLOGY/ AMD K6® ENHANCED PROCESSOR OR CYRIX® 6x86 & MX™

4.3GB FAST ULTRA DMA / 32MB EDO RAM / CREATIVE LABS SOUND BLASTER AWE 64 MULTIMEDIA SYSTEM
24X SPEED CD-ROM • 56K FAX/MODEM W/VOICE • 512K CACHE

- Intel Pentium® With MMX™ Technology Processor or AMD K6® MMX Enhance Processor or Cyrix® 6x86 & MX™ Processor
- Intel ® High Performanced 430 TX PCIset
- 512K Pipeline Burst Cache
- **32MB EDO RAM High Speed 60NS**
- Teac 1.44MB 3.5" Drive
- **Diamond Stealth 3D 2000 4MB EDO RAM High Quality High Performance 3D Rendering, Realistic Color and Resolution TV-Quality MPEG Video Playback Video Card**
- Mitsumi WIN '95 104 Keys Enhanced Keyboard
- **Creative Labs Sound Blaster AWE 64 Wavetable Sound Card**
- **MAXTOR High Performance 4.3GB Fast Ultra DMA HardDrive**
- **TEAC FAST 24X SPEED E-IDE CD-Rom Drive**
- Genius Netmouse Surfing the Internet with a Magic Button
- Super 200W Amplified Multimedia Speakers
- Windows '95 w/ Manual & CD
- Enhanced Medium Tower Case w/250W PS
- MONITOR NOT INCLUDED

FREE LOTUS SMART SUITE 97 (w/ System Purchase Only - Limited Time Offer)

FREE 56K TECHNOLOGY VOICE MESSAGING FAX/MODEM (Limited Offer)

INTEL PENTIUM® MMX™	
MMX 233MHz	$1288
MMX 200MHz	$1198
MMX 166MHz	$1108

AMD K6® MMX™	
MMX 233MHz	$1348
MMX 200MHz	$1158

CYRIX® 6x86 MX™	
6x86 MX 200	$1078
6x86 MX 166	$1058

CYRIX® 6x86	
6x86 P200+	$1018

INFINITY-2000™ GOLD 460 LX

INTEL PENTIUM® II PROCESSOR WITH MMX™ TECHNOLOGY

7.0GB FAST ULTRA DMA / 64MB EDO RAM / CREATIVE LABS SOUND BLASTER AWE 64 MULTIMEDIA COMPUTER SYSTEM

- NEW AGP STANDARD
- Intel®Pentium® II MMX™ Performance 440 LX AGPset System Board
- Intel®Pentium® II with MMX™ Technology Processor
- 512K Internal Cache
- **64MB 168-PIN SDRAM 3.3V DIMM**
- Teac 1.44MB 3.5" Drive
- **DIAMOND VIPER V330 AGP TRUE 128 BIT 3D VIDEO CARD**
- Mitsumi WIN '95 104 Keys Enhanced Keyboard
- MAXTOR High Performance 7.0GB Fast Ultra DMA Hard Drive
- Creative Labs Sound Blaster AWE 64 Wavetable Sound card
- **TEAC Super Fast 24X Speed E-IDE CD-Rom Drive**
- Genius Netmouse Surfing the Internet with a Magic Button
- **Super 240W Amplified Subwoofer Speakers**
- Windows '95 w/ Manual & CD
- Dual Cooling Fans System
- New Deluxe ATX Format Medium Tower Case w/250W PS
- MONITOR NOT INCLUDED

FREE LOTUS SMART SUITE 97 (w/ System Purchase Only - Limited Time Offer)

FREE 56K TECHNOLOGY VOICE MESSAGING MAIL FAX/MODEM

INTEL® PENTIUM® II 300MHz with MMX™ TECHNOLOGY
$2178

INTEL® PENTIUM® II 266MHz with MMX™ TECHNOLOGY
$1968

INTEL® PENTIUM® II 233MHz with MMX™ TECHNOLOGY
$1828

INFINITY-2000™ GOLD 500

INTEL PENTIUM® II PROCESSOR WITH MMX™ TECHNOLOGY WINDOWS NT SERVER

4.3GB FAST ULTRA WIDE SCSI / 64MB EDO RAM SUPPORT DUAL PENTIUM® II MMX™ PROCESSOR SERVER SYSTEM

- TYAN S1682D Dual Pentium® II MMX™ Performance System Board
- Intel Pentium® II with MMX™ Technology Processor
- 512K Internal Cache
- **64MB EDO RAM High Speed 60NS**
- Teac 1.44MB 3.5" Drive
- **OFFICE PRO 2MB PCI Video Card**
- Mitsumi 104 Keys Enhanced Keyboard
- Western Digital 4.3GB Ultra Wide SCSI Hard Drive
- **TOSHIBA XM3 801B 15X Speed SCSI-II Internal CD-Rom Drive**
- Genius New Release Netmouse
- Adaptec 2940 Ultra Wide SCSI Controller
- Windows NT Server 4.0 (5 Licence) Software
- 3COM 3C905 TX PCI 10/100 TP NETWORK CARD
- Colorado T4000 8GB Travan Tape Backup
- New Deluxe ATX Style Medium Tower Case w/250W PS
- MONITOR NOT INCLUDED

SINGLE PROCESSOR

INTEL® PENTIUM® II 300MHz MMX™ **$3298**

INTEL® PENTIUM® II 266MHz MMX™ **$3088**

INTEL® PENTIUM® II 233MHz MMX™ **$2948**

DUAL PROCESSORS

INTEL® PENTIUM® II 300MHz MMX™ **$4098**

INTEL® PENTIUM® II 266MHz MMX™ **$3678**

INTEL® PENTIUM® II 233MHz MMX™ **$3388**

MONTHLY SPECIAL !

New Product !
ULTRA FAST SMART 100X IDE CD-ROM INT.
$ 98
(Limited Stock)

SONY 17" 200SX 1280x768 .25 Digital Control
$618
(Limited Offer)

ABIT PX5 Intel 430 TX PCIset 512K Cache (Jumperless) Motherboard
Support: Intel - 233MHz,Amd K5-K6, Cyrix - MX
$98
(While Supply Last)

U.S Robotic X2 56K Int. (OEM)
$148
(While Supply Last)

computers.com 24 HOURS

Gov't, Corporate & Educational POs Welcome*!

BUSINESS LEASE AVAILABLE

To Placing an Order For Pick Up 24 Hours a Day 7 Days Week, Symphony Computers Home Page Has It All!

Please Ask !!! we Build Customized System

II MMX™, Pentium® MMX™ & AMD K6 MMX™ & Cyrix® 6x86MX™ Systems.

INFINITY-2000™

DIAMOND-850

- Geniune Intel® Pentium® MMX™ Performanced ACHORAGE 430TX PCIset System Board
- Intel® Pentium® / Pentium® MMX Processor & CPU Fan
- 512K Pipeline Burst Cache
- 32MB 168-PIN SDRAM 3.3V DIMM
- Teac 1.44MB 3.5" Drive
- Maxtor High Performance 4.3GB Fast Ultra DMA Hard Drive
- NEW MATROX 220 MystiqueLightning Fast Windows 3D Texture Mapping. Powerful 4MB SGRAM Video Accelerator & Real Time 3D Graphics Video Card
- On Board PCI Bus Master and Super I/O
- SONY 17" NEW 200SX TRINITRON ON SCREEN CONTROL .25 DOT PITCH MONITOR
- IOMEGA 100MB INTERNAL ZIP DRIVE
- Mitsumi WIN '95 104 Keys Enhanced Keyboard
- Deluxe ATX Format Medium Tower Case w/250W PS

FREE 56K TECHNOLOGY VOICE MESSAGING FAX/MODEM (Limited Offer)

DIAMOND-850 Multimedia Package:

- YAMAHA OPL4 WAVETABLE AUDIO SOUND ON BOARD
- SMART Fast 100X E. IDE CD-Rom Drive
- SUPER 240W AMPLIFIED SUBWOOFER SPEAKERS
- Genius Netmouse Surfing the Internet with a Magic Button
- Free New Windows '95 W/manual & Cd
- Free 56K Technology Voice Messaging Fax/Modem (Limited)
- FREE LOTUS SMART SUITE 97 (Limited Time Offer)

Intel® Pentium® MMX™ 233MHz	$2198
Intel® Pentium® MMX™ 200MHz	$2088
Intel® Pentium® MMX™ 166MHz	$1998

INFINITY-2000™

DIAMOND-940 LX

- NEW AGP STANDARD
- Intel® Pentium® II MMX performance 440 LX AGPset System board
- Intel® Pentium® II MMX Processor & CPU Fan
- 512K Internal Cache
- 64MB 168-PIN SDRAM 3.3V DIMM
- Teac 1.44MB 3.5" Drive
- MAXTOR High Perfomance 7.0GB Ultra DMA Fast Hard Drive
- ATI AGP EXPERT WORK PRO 3D 8MB VIDEO CARD
- SONY 17" NEW 200SX TRINITRON ON SCREEN CONTROL .25 DOT PITCH MONITOR
- IOMEGA 100MB INTERNAL ZIP DRIVE
- Mitsumi WIN '95 104 Keys Enhanced Keyboard
- New Deluxe ATX Format Medium Tower Case w/250W PS

FREE 56K TECHNOLOGY VOICE MESSAGING FAX/MODEM (Limited Offer)

DIAMOND-940 LX Multimedia Package:

- CREATIVELABS SOUNDBLASTER AWE64 WAVETABLE SOUNDCARD
- SMART Fast 100X E. IDE CD-Rom Drive
- SUPER 240W AMPLIFIED SUBWOOFER SPEAKERS
- Genius Netmouse Surfing the Internet with a Magic Button
- Free New Windows '95 W/manual & Cd
- Free 56K Technology Voice Messaging Fax/Modem (Limited)
- FREE LOTUS SMART SUITE 97 (Limited Time Offer)

Intel® Pentium® II MMX™ 300	$2988
Intel® Pentium® II MMX™ 266	$2778
Intel® Pentium® II MMX™ 233	$2638

INFINITY-2000™ NOTEBOOK 900 & 1000 SERIES

- Intel Pentium / Pentium with MMX Technology Processor
- 16MB EDO Ram (up to 128MB)
- 12.1" Dual Scan (DSTN) / Active Matrix (TFT)
- 2MB EDO Video Memory
- 1.44MB 3.5" Floppy Drive
- 20X Speed CD-Rom
- Built-In Multimedia Sound Card and Speaker
- Nickel Metal Hydride Battery
- Touch Pad Pointing Device
- AC Adapter
- Carrying Case
- Microsoft Windows '95 CD & Manual

OPTIONS:
16 To 32MB Add.....$88
56K PCMCIA Modem Add $148
Extra Battery NIMH Add.....$ 98

INFINITY-2000 900 - 12.1" DUAL SCAN (DSTN) DISPLAY

DESCRIPTION	1.4GB HARD DRIVE	2.1GB HARD DRIVE	3.0GB HARD DRIVE
Intel® Pentium® 133MHz	$ 1688	$ 1738	$ 1868
Intel® Pentium® MMX™ 166MHz	$ 1748	$ 1788	$ 1818
Intel® Pentium® MMX™ 200MHz	$ 1838	$ 1878	$ 1988
Intel® Pentium® MMX™ 233MHz	$ 1848	$ 1888	$ 2128

INFINITY-2000 1000 - 12.1" ACTIVE MATRIX (TFT) DISPLAY

DESCRIPTION	1.4GB HARD DRIVE	2.1GB HARD DRIVE	3.0GB HARD DRIVE
Intel® Pentium® 133MHz	$ 2188	$ 2238	$ 2368
Intel® Pentium® MMX™ 166MHz	$ 2258	$ 2298	$ 2428
Intel® Pentium® MMX™ 200MHz	$ 2348	$ 2398	$ 2498
Intel® Pentium® MMX™ 233MHz	$ 2458	$ 2498	$ 2638

MOTHERBOARDS

Intel ®

Intel Anchorage 430 TX 512K w/Sound ATX.....$178
Intel LoneTree 430 TX 512K ATX.....$168
Intel Venus 440 FX Pentium Pro ATX.....$118
Intel Portland PD440 FX Pentium II ATX.....$198
Intel Providence Dual Pentium Pro ATX.....$498
Intel AL440LX PII 233-333 w/Sound AGP ATX.....$248

ABIT & TEKRAM & ASUS

ABIT PX5 430 TX Jumperless 512K.....$98
ABIT AX5 430 TX Jumperless 512K.....$118
TEKRAM Pentium II 440LX AGP 4-Dimm sockets.....$158
ASUS P2L97 PII 233-33 440LX AGP ATX.....$228
ASUS P2L97-DS DUAL PII w/ Adaptec Controller.....CALL
Tyan S1682D Tahoe Dual Pentium II.....$318

INFINITY-2000 ™

430VX 512K Pipline Cache.....$78

CDROM DRIVES & CD-WRITERS

CDROM DRIVES

Toshiba 24X IDE / 15X SCSI.....$88 / 138
Teac 24X / SMART 100X IDE.....$ 78 / 98

CD-WRITERS

YAMAHA CD-WRITER 6xR, 4x W SCSI.....$ 528
Sony CD-WRITER 6xR, 2x W IDE.....$ 328
Sony CD-WRITER 6xR, 2x W SCSI.....$ 378

CPU & MEMORY

Intel ®

Intel® Pentium® MMX™ 166 / 200 / 233 MHz.....$148 / 238 / 348
Intel® Pentium® II MMX™ 233 / 266/ 300.....$468 / 578 / 788

AMD ®

AMD K6 MMX 233 / 200 / 166.....$388 / 198 / 148

Cyrix ®

Cyrix P200+ / P166+.....$88 / 68
Cyrix MX 200 / 166.....$148 / 118
8MB / 16MB / 32MB EDO 60NS.....$28 / 48 / 88
32MB / 64MB SDRAM 168-PIN 3.3V DIMM.....$128 / 238

VIDEO CARDS

MATROX

Matrox MGA Millenium II PCI 4MB WRAM OEM.....$198
Matrox MGA Millenium II PCI 8MB WRAM OEM.....$288
Matrox MYSTIQUE 220 PCI 2MB/4MB OEM.....$118 / 138

DIAMOND

Diamond 3D 2000 PCI w/ 4MB EDO PCI.....$78
Diamond 3D 3000 2MB/ 4MB VRAM PCI.....$98 / 148
Diamond Monster 3D PCI 4MB.....$168
Diamond Monster 3D 4MB EDO PCI OEM.....$148
Diamond Viper 330 AGP 4MB OEM.....$168
Diamond Fire GL Pro 1000 8MB PCI OEM.....$238

MONITORS

ViewSonic

15" E655 1280X1024 .28.....$278
17" 17GS 1280X1024 .28.....$538
17" 17PS 1600X1280 .25.....$648
17" PT770 1600X1280 .25.....$668
17" GT770 1280X1024 .25.....$648
20" GT800 1600X1280 .30.....$1198
20" G800 1600X1280 .28.....$998
21" G810 1600X1280 .25.....$1278

NEC

15" NEC M500.....$368
17" NEC M700.....$748
17" NEC E700.....$658

14" / 15" HUNDAI .28.....$168/ $ 228
17" HUNDAI 1280X1024 .28.....$418

15" 1595 .28.....$278
15" DX15T .25.....$358
17" DX700T TRINITON .25 AG.....$618
21" MX21F.....$1428
17" PRINCETON E070...(DEMO SALE).....$438

IIYAMA

17" MF-8617E 1600X1280 .26.....$548
17" MF-9017E 1600X1280 .25.....$618
21" MF-8221E 1600X1280.....$1268
21" MF-9021E 1600X1280.....$1328

SONY

15" Sony 100SFII / 100SX 1280X1024 .25.....$388 / 358
17" Sony 200SF / 200SX 1280X1024 .25.....$688 / 578
20" Sony 300SF 1280X1024 .30.....$1388
20" Sony 20SE2T.....$1748

HARD DISKS

Maxtor 2.6 / 4.3 UDMA / 7.0 GB UDMA.....$178 / 248 / 338
Western Digital 1.6 / 2.6 / 3.2 / 4.3GB.....$168 / 188 / 218 / 268
Western Digital Enterprise 2.1 ULTRA SCSI 7200RPM 8MS.....$368
Western Digital Enterprise 2.1 U Wide SCSI 7200 RPM 8MS..$388
Western Digital Enterprise 4.3 ULTRA Wide.....$598
Seagate 19171 UW 9.0GB Ultra Wide 8MS.....$1018
IBM DCHS 39100 UW 9GB ULTRA Wide.....$788
IBM DCAS 34330 UW 4.3GB ULTRA Wide.....$368
ADAPTEC AHA-1522 SCSI-2.....$78
ADAPTEC AHA-2940U SCSI-2 PCI.....$178
ADAPTEC AHA-2940UW ULTRA Wide.....$198

SOUND CARDs & SPEAKERS

YAMAHA OPL3-SA Sound Card.....$19
TeleVideo-TeleWave Q32 WAVETABLE Synthesize S/Card.....$38
Sound Blaster AWE 64 Value P&P (Retail Box).....$99
Sound Blaster AWE 64 Gold (Retail Box).....$178
Sound Blaster AWE 64 GOLD (OEM).....$158
Sound Blaster AWE 32 (OEM).....$59
Super Power 200W Multimedia Speakers.....$58
Super Power 240W Multimedia Subwofer Speakers System.....$68

MODEM

NEWCOM 33.6 w/ Voice (Req. WIN'95 & Pentium).....$48
Supra 56K Technology w/ Voice Int..(SALE).....$89
Sporter Modem 56K Int (Retail Box).....$168
Sporter Modem 56K Ext (Retail Box).....$188
Sporter Modem 56K w/ Voice Int (Retail Box).....$188
Sporter Modem 56K w/ Voice Ext (Retail Box).....$198
Sporter 56K w/ Voice / No Voice (OEM).....$158 / 148

CASE & POWER SUPPLY

DIAMOND SERIES MINI TOWER + 250W.....$28
DIAMOND SERIES COMPACT MEDIUM TOWER + 250W.....$38
DIAMOND SERIES MID ATX w/250W.....$68
DIAMOND SERIES FULL ATX w/250W.....$98

BACKUP POWER

American Power Conversion(Ups)

Back-up 400VA / 600VA.....$148 / 238
Back-up 900VA / 1200VA.....$348 / 458

PRINTERS

EPSON STYLUS COLOR 600.....$298.00
EPSON STYLUS COLOR 800.....$428.00
EPSON STYLUS PHOTO PRO.....$478.00
CANON BJC-4200 / 250.....$228 / 178
CANON BJC-4550.....$498.00
HP DESK JET COLOR 680C.....$278.00
HP DESKJET COLOR 692C.....$298.00
HP LASERJET 6L / FS.....$398.00
HP DESKJET 820 CXI / 870CXI.....$388.88 / 498.88
HP OFFICE JET 590.....$628
HP OFFICE JET PRO 1150C.....$878

ZIP DRIVES TAPE BACKUP

IOMEGA & HP

ZIP Drive 100MB IDE.....$98
JAZZ Drive 1GB SCSI Internal/External.....$368 / 468
HP Colorado T4000.....$338
HP Colorado T3000 (Up to 3.2GB data compression)..$198
HP C1534 4MM 2-4GB SCSI INT.....$598
HP C1536 4MM 4-8GB SCSI INT.....$669
IO MEGA 100MB SCSI OEM.....$138

NETWORKING

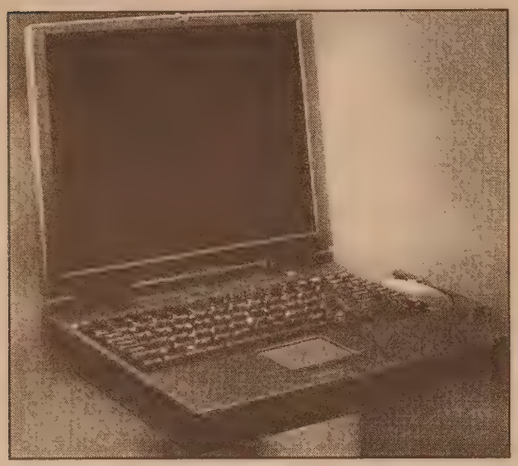
3C509 ETHERLINK III TP / COMBO.....$58 / 78
3C900 ETHERLINK III PCI TP/COMBO..$68 / 88
3C905-TX PCI 10/100 TP.....$78
3C562 PCMCIA 33-6 & 10 BASET.....$288
3C589 PCMCIA TP/COMBO.....$128 / 158
3C16701 TPC OFFICE CONNECT HUB.....$128

408-777-8223 Sales Ext. 24, 25, 26 or PRESS 0

SALES DEPARTMENT OPEN 7 DAYS A WEEK

Clockwise from top left: the Winbook XL Series notebook; the Sharp SE-500 Mobile Organizer; the Sharp Mobilon Series Handheld PC; the ChemBook 9780 from Chem USA Corp.

Product Announcements *continued from page 178*



Both pointing devices can be used simultaneously. The alternative internal 56Kbps fax/modem leaves PCMCIA slots available for other uses. (Prices starting at $3599) WinBook Corp., 4119 Leap Rd., OH 43026. 1-800-468-2162. URL: *http://www.winbook.com*.

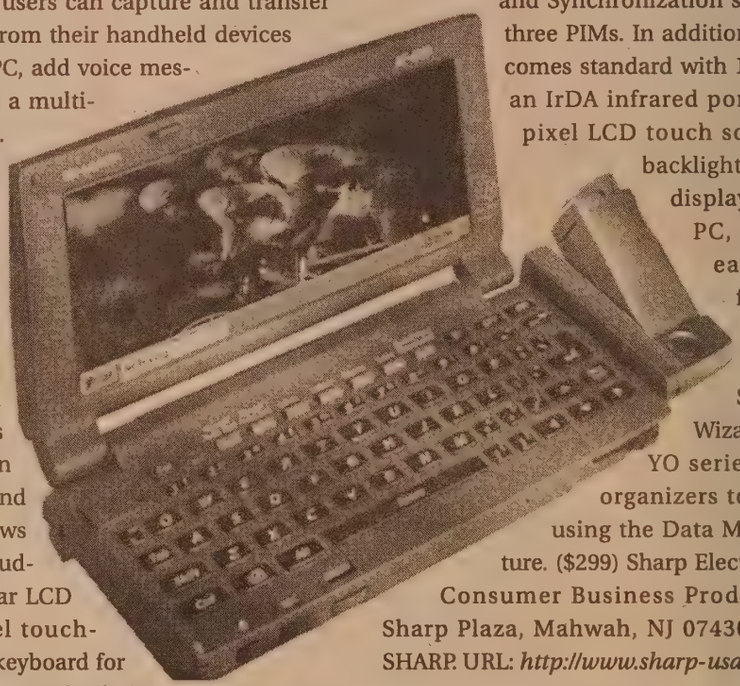
ChemBook 9780

The upgradeable ChemBook 9780 Series features Intel Pentium processors ranging from 120MHz

up to the 233MHz Tillamook. The Tillamook processor was designed specifically for notebook computers to reduce power consumption and heat emission. The series also features 16MB of RAM (expandable up to 128MB), a 1.4GB hard disk, and a removable 3-mode, 1.44MB floppy drive that is swappable with an optional CD-ROM or extra battery. The 9780 display is a large 14.1" TFT XGA LCD screen. It also comes with a 64-bit PCI graphic engine, 4MB of VRAM, a built-in 16-bit stereo sound system, 3-D surround sound, two speakers, one Type II and one Type III PC Card slot, and nine I/O ports. Power is supplied by a NiMH battery, or optional Lithium-Ion battery. The AC Adapter is auto-switching, 50w, 90-265v/50Hz-60Hz. ($3600, base model with 166MHz MMX processor) Chem USA Corp., 8455 Central Ave, Newark, CA 94560. (510)608-8818. URL: *http://www.chemusa.com*.

Mobilon Series Handheld PC

Sharp Electronics Corp. has developed Mobilon, a new line of handheld PCs using the Microsoft Windows CE v2.0 operating system. Sharp's new Mobilon line includes a color screen unit, a digital camera option, an audio record feature, seven "one-touch" application keys and other powerful features. In addition to the 8MB color centerpiece of the new line (HC-4500), the new Mobilon series features two monochrome units with 16-grayscale LCD (4MB HC-4000 and 8MB HC-4100). One of Mobilon's unique features is its optional digital camera solution—the first digital camera manufactured specifically for a handheld product sold outside Japan. With the digital camera, users can capture and transfer digital images from their handheld devices to and from a PC, add voice messages and send a multimedia email. The Mobilon was designed specifically to offer the features that users request for both business and personal use and offers distinct design features not found on other Windows CE devices, including a large, clear LCD 640 x 240 pixel touchscreen; a large keyboard for easier data input; a built-in 33.6Kbps fax/modem, and an IrDA infrared port. ($600 to $900) Sharp Electronics Corp., Consumer Business Products Group, Sharp Plaza, Mahwah, NJ 07430. 1-800-BE-SHARP. URL: *http://www.sharp-usa.com*.



Sharp SE-500 Mobile Organizer

The SE-500, a keyboardless, modem-equipped, pocket-sized organizer, answers the needs of mobile individuals who are looking to keep in touch via Internet email and want to have instant access to Personal Information Management (PIM) data through PC Synchronization. It includes a built-in, low-power 14.4Kbps modem, a docking station, an integrated protective screen cover, and PC Link and Synchronization software with three PIMs. In addition, the SE-500 comes standard with 1MB of RAM, an IrDA infrared port, 240 x 159 pixel LCD touch screen, and a backlight-illuminated display. Through a PC, data can be easily transferred from the majority of current Sharp Wizard, Zaurus or YO series electronic organizers to the SE-500 using the Data Migration feature. ($299) Sharp Electronics Corp., Consumer Business Products Group, Sharp Plaza, Mahwah, NJ 07430. 1-800-BE-SHARP. URL: *http://www.sharp-usa.com*.

REX PC Companion

The REX PC Companion combines PIM software and data synchronization with a new advancement in portable technology. This first ever PC Card with a glare-free LCD screen and Starfish Software's TrueSync software technology allows mobile users anytime, anywhere access to PC organizer data. By simply plugging the REX PC Companion into a Type II PC Card slot on a notebook computer, organizer data can be instantly downloaded to the REX; desktop users can download data through the REX Serial Docking Station connected through a serial port. REX TrueSync Information Manager

continued on page 186

Coming Soon in MICROTIMES

December 15, 1997

Annual Dealer Guide

Our complete resource of Northern and Southern California retailers, service providers and consultants, and the services they offer. This issue serves as a year-round reference for our readers, so make sure your business is included!

January 1, 1998

MICROTIMES 100

Our annual list of industry leaders and unsung heroes who have had a significant impact on the computer industry over the past year. See who is at the top and who will be there soon!

We at *MicroTimes*™ magazine
wish you and yours the best this holiday season.
We look forward to the new year, serving you as
California's leading computer publication.

How to reach us:

San Francisco Bay Area
(510)768-1200

Visit us on the Web:
http://www.microtimes.com

Greater Los Angeles
(213)851-8600

THE BEST VALUE IN THE BAY AREA

- *One Year Parts and Labor Warranty*
- *Systems Burned-In and Tested For 72 Hours*
- *Custom System Configurations Available*
- *Financing Available*
- *Knowledgable Sales and Technical Staff*
- *Fast Turn-Around On Service*

Updated product pricing available at our WWW site **http://www.pixelusa.com**

Now Open at New Location

We have moved to a new 4800 square foot facility that will feature better access and parking!!
One Block West of Highway 280.

STORE HOURS:
Mon.-Fri. 9:30 AM to 7:00 PM
Saturday 10:00 AM to 6:00 PM

---

intel. Pentium — Best Value

MMX 166MHz — *$ 768*

- Motherboard (Socket 7)
- Intel Triton 430VX Chipset
- 512Kb Cache (Pipelined Burst Sram)
- Intel CPU MMX P5-166MHz
- CPU Cooling kit w/ Heatsink & Fan (Ball Bearing)
- 16Mb Ram EDO 60ns Installed (72-pin)
- EIDE Controller 4HD & 2FD w/ 2s (16550), 1P (EPP)
- Floppy Drive 1.44Mb
- Hard Disk 1.6Gb IDE
- Windows Accelerator PCI w/ 2Mb EDO Dram
- 14" Super VGA Color Monitor (1024 x 768) .28 NI
- Mitsumi 104 Keys Enhanced Keyboard
- Mini Tower Case w/ 230 Watt Power Supply
- 2 Buttons Serial Mouse
- 24X CD-Rom Drive
- 16-bit Sound Card (ESS)
- Pair of Amplified Speakers 80 Watts
- Windows 95 CD-ROM *Pre-Loaded* Full Version (CD & Manuals)

Intel Pentium MMX 200 MHz $858
Intel Pentium MMX 233 MHz $938
AMD K6 MMX 200 MHz $798
AMD K6 MMX 233 MHz $958

intel. Pentium — Best Buy

MMX 166MHz — *$ 1,198*

- FIC PT-2011 Motherboard (Socket 7)
- Intel Triton 430TX Chipset
- 512Kb Cache (Pipelined Burst Sram)
- Intel CPU MMX P5-166MHz
- CPU Cooling kit w/ Heatsink & Fan (Ball Bearing)
- 32Mb Ram EDO 60ns Installed (72-pin)
- Controller 4HD & 2FD w/ 2s (16550), 1P (EPP)
- Floppy Drive 1.44Mb
- Hard Disk 4.3Gb Ultra ATA (33MB/s)
- Cirrus Logic 5464 PCI w/ 4Mb
- 15" Acer 56C Digital Color Monitor (1280 x 1024) .28 NI
- Keytronic 104 Keys PS-2 Enhanced Keyboard
- ATX Medium Tower Case w/ 235 Watt Power Supply
- Microsoft Ergonomic PS-2 Mouse
- 24X CD-Rom Drive
- Sound Blaster AWE 64 Value (Creative Labs)
- Pair of Speakers (Yamaha YST-M7)
- Windows 95 CD-ROM *Pre-Loaded* Full Version (CD & Manuals)

Intel Pentium MMX 200 MHz $1,298
Intel Pentium MMX 233 MHz $1,388
AMD K6 MMX 200 MHz $1,258
AMD K6 MMX 233 MHz $1,398

intel. Pentium — Asus TXP4-X

MMX 166MHz — *$ 1,198*

- Asus TXP4-X Motherboard (Socket 7)
- Intel Triton 430TX Chipset
- 512Kb Cache (Pipelined Burst Sram)
- Intel CPU MMX P5-166MHz
- CPU Cooling kit w/ Heatsink & Fan (Ball Bearing)
- 32Mb Ram EDO 60ns Installed (72-pin)
- Controller 4HD & 2FD w/ 2s (16550), 1P (EPP)
- Floppy Drive 1.44Mb
- Hard Disk 4.3Gb Ultra ATA (33MB/s)
- Cirrus Logic 5464 PCI w/ 4Mb
- 15" Sampo 511L Digital Color Monitor (1024 x 768) .28 NI
- Keytronic 104 Keys PS-2 Enhanced Keyboard
- Asus T5 Medium Tower Case w/ 235 Watt Power Supply
- Microsoft Ergonomic PS-2 Mouse
- 24X CD-Rom Drive
- Sound Blaster AWE 64 Value (Creative Labs)
- Pair of Speakers (Yamaha YST-M7)
- Windows 95 CD-ROM *Pre-Loaded* Full Version (CD & Manuals)

Intel Pentium MMX 200 MHz $1,298
Intel Pentium MMX 233 MHz $1,388
AMD K6 MMX 200 MHz $1,258
AMD K6 MMX 233 MHz $1,398

intel. Pentium — Anchorage

MMX 200MHz — *$ 1,248*

- Intel Anchorage Motherboard (Socket 7)
- Intel Triton 430TX Chipset
- 512Kb Cache (Pipelined Burst Sram)
- Intel CPU MMX P5-200MHz
- CPU Cooling kit w/ Heatsink & Fan (Ball Bearing)
- 32Mb SDRAM 10ns Installed (168-pin)
- Controller 4HD & 2FD w/ 2s (16550), 1P (EPP)
- Floppy Drive 1.44Mb
- Hard Disk 4.3Gb Ultra ATA (33MB/s)
- ATI 3D Rage II PCI 2MB EDO Dram on-board
- 15" Sampo 511L Digital Color Monitor (1024 x 768) .28 NI
- Keytronic 104 Keys PS-2 Enhanced Keyboard
- ATX Medium Tower Case w/ 235 Watt Power Supply
- Microsoft Ergonomic PS-2 Mouse
- 24X CD-Rom Drive
- Yamaha OPL Sound (On-Board)
- Pair of Speakers (Yamaha YST-M7)
- Windows 95 CD-ROM *Pre-Loaded* Full Version (CD & Manuals)

233 MHz Pentium $1,398

intel. Pentium II — AsusP2L97

266MHz — *$1,898*

- Asus P2L97 Motherboard (Slot 1)
- Intel 440LX Chipset
- 512Kb Cache
- Intel CPU Pentium II 266MHz
- CPU Cooling kit w/ Heatsink & Fan (Ball Bearing)
- 32Mb SDRAM 10ns Installed (168-pin)
- Controller 4HD & 2FD w/ 2s (16550), 1P (EPP)
- Floppy Drive 1.44Mb
- Hard Disk 4.3Gb Ultra ATA (33MB/s)
- STB Velocity 128 AGP 4Mb SGRAM
- 17" Sampo Digital Color Monitor (1280 x 1024) .28 NI
- Keytronic 104 Keys PS-2 Enhanced Keyboard
- ATX Mid Tower Case w/ 235 Watt P.S
- Logitech Internet Mouse Combo
- 24X CD-Rom Drive
- Sound Blaster AWE 64 Value (Creative Labs)
- Pair of Speakers (Yamaha YST-M7)
- Windows 95 CD-ROM *Pre-Loaded* Full Version (CD & Manuals)

300 MHz Pentium II $2,148

intel. Pentium II — Atlanta

266 MHz — *$ 2,068*

- Intel Atlanta Motherboard (Slot 1)
- Intel 440LX Chipset
- 512Kb Cache
- Intel CPU Pentium II 266MHz
- CPU Cooling kit w/ Heatsink & Fan (Ball Bearing)
- 32Mb SDRAM 10ns Installed (168-pin)
- EIDE Controller 4HD & 2FD w/ 2s (16550), 1P (EPP)
- Floppy Drive 1.44Mb
- Hard Disk 4.3Gb Ultra ATA (33MB/s)
- Diamond Viper 330 AGP 4Mb
- 17" Acer 78IE Digital Color Monitor (1600 x 1280) .26 NI
- Keytronic 104 Keys PS-2 Enhanced Keyboard
- Diablo ATX Mid Tower Case w/ 235 Watt P.S
- Microsoft IntelliMouse Mouse
- 24X CD-Rom Drive
- Yamaha OPL Sound (On-Board)
- Pair of Speakers (Yamaha YST-M15)
- Windows 95 CD-ROM *Pre-Loaded* Full Version (CD & Manuals)

300 MHz Pentium II $2,298

USA Pixel

VISA

Pixel USA

(408) 293-8333

810 South Bascom, San Jose, CA 95128

Fax: (408) 293-8353

MasterCard

Prices subject to daily fluctuation. Please call for lastest price. Not responsible for typos.

See our product catalog with manufacturer links at our web site

http://www.pixelusa.com

(we sell web servers too)

MOTHERBOARDS W/O CPU

FIC VT-502, VX, 512Kb, AT $83
FIC PA-2007 P5, VIA, 1MB, AT $108
FIC PA-2011 P5, VIA, 512Kb, ATX $108
FIC PT-2007 P5, TX, 512Kb, ATX $108
FIC PT-2011 P5, TX, 512Kb, ATX $118
Iwill P5, TX, 512Kb, ATX, 2940UW $268

ABIT

Abit PX5 P5, 430TX, AT $93
Abit AX5 P5, 430TX, ATX $108
Abit IT5H P5, 430HX, AT $123
Abit Pentium II LX $163
Other ..... $ Call

ASUS

P55T2P4 P5, 430HX, AT $138
XP55T2P4 P5, 430HX, ATX $138
VX97 P5, 430VX, AT $98
TX97-E P5, 430TX, AT, 2(168), 4(72) $153
TXP4 430TX, AT, 2(168), 4(72) $138
TXP4-X 430TX, ATX, 2(168), 4(72) $138
TX97-XA ********** w/ Audio ********** $188
P2L97 PII, 440LX, 3(168), ATX $188
P2L97-S ******* w/ Adaptec ********* $278
P2L97-DS Dual PII w/ Adaptec $418
Other ..... $ Call

intel

LoneTree P5, 430TX, ATX $163
Anchorage-1 ******** Audio ********** $178
Anchorage-2 ***** Audio & Video ***** $218
Venus P6, 440FX, ATX $128
Portland w/ Audio (Box) $188
Atlanta w/ Audio (Box) $208
Other ..... $ Call

TYAN

S1571 Titan Turbo AT-2 ..... $123
S1573 Titan Turbo ATX-2 ..... $123
S1564S Tomcat IV $143
S1564D Tomcat IV $183
S1682D Tahoe 2 ..... $273
S1692S Tiger 2 ATX Single $218
S1692DL Tiger 2 ATX Dual $318
S1696DLUA Thunder 2 ATX $518
Other ..... $ Call

FREETECH

Sparrow P5F83 P5, 430VX, AT $98
Pelican II P5F85 P5, 430TX, AT $118
Condor II P5F87 P5, 430HX, ATX $118
Aries P6F82 PII, 440LX, ATA ..... $ Call

SUPERO

P5MMA 98 (512K) $138
P5MMS 98 (512K) $138
P6SLA Single PII,440LX, ATX $188
P6DLE Dual PII, 440LX, ATX $348
P6SLS Single PII, UW SCSI, ATX $348
P6DLS Dual PII, UW SCSI, ATX $438
P6DLF Dual PII, Full AT $378
P6DLH Dual PII, Full AT, I960 RD IOP ..... $ Call

VIDEO CARDS

Cirrus Logic 5429 ISA 1Mb $18
Cirrus Logic 5464 PCI 4Mb $58
Trident 9680 PCI 2Mb $28
S3-765 PCI 1Mb $18
S3-765 PCI 2Mb $23
S3-765 PCI 4Mb $38
ET-6000 PCI 2MB SDRAM $43
S3-968 PCI 4Mb Vram $68
Number 9 332 PCI w/ 2Mb (Box) $68
STB Velocity 128 AGP 4Mb SGRAM $118
Creative Labs: MA 201 PCI 1Mb $38
Creative Labs: MA 202 PCI 2Mb $43
Creative Labs: MA 302 PCI 2Mb $53
Graphics 3D Blaster PCI 4Mb (Box) $93
3D BlasterPCI4Mb (Box) $188
Other ..... $ Call

DIAMOND Computer Systems, Inc

Speed Star Pro 64 PCI w/ 1Mb $28
Stealth 2500 Video PCI w/ 2Mb $33
Stealth 64 Video PCI w/ 2Mb $53
Stealth 3D 2000 PCI w/ 2Mb $53
Stealth 3D Pro 2000 PCI w/ 2Mb $68
Stealth 3D Pro 2000 PCI w/ 4Mb $88
Stealth 64 3D 3000 PCI w/ 4Mb VRAM $148
Stealth II S220 PCI w/ 4Mb $98
Monster 3D w/ 4Mb EDO Dram $143
Viper 330 PCI 4Mb $158
Viper 330 AGP 4Mb $158
Fire GL Pro 1000 w/ 8Mb $198
Other ..... $ Call

Retail Box Versions

Stealth 3D 2000 PCI 2Mb $68
Stealth II S220 PCI 4Mb $118
Monster 3D PCI 4Mb $178
Fire GL 1000 PCI 4Mb $148
Fire GL 1000 PCI 8Mb $188
Fire GL 1000 Pro 8Mb $238
Viper 330 PCI 4Mb $188
Viper 330 AGP 4Mb $188
Other ..... $ Call

ATI TECHNOLOGIES INC

Perfecting the PC

(OEM Version Only)

Graphic 3D Expression + PC2TV 4Mb $93
3D Pro Turbo PC2TV PCI w/ 4Mb Vram $128
3D Pro Turbo PC2TV PCI w/ 8Mb Vram $168
All in Wonder 4Mb $208
Xpert Play PCI or AGP 4Mb ..... $163 / $183
Xpert Play PCI or AGP 8Mb ..... $208 / $228
Xpert Work PCI or AGP 4Mb ..... $148 / $168
Xpert Work PCI or AGP 8Mb ..... $198 / $228
Other ..... $ Call

matrox

M3D Game Upgrade (Box) $98
MGA Mystique 220 PCI 4Mb (OEM) ..... $ Call
MGA Mystique 220 PCI 4Mb (Box) $133
MGA Millenium II PCI 4Mb (OEM) ..... $ Call
MGA Millenium II PCI 4Mb (Box) $183
MGA Millenium II PCI 8Mb (OEM) ..... $ Call
MGA Millenium II PCI 8Mb (Box) $273
Rainbow Runner for Mystique ..... $ Call
Rainbow Runner for Millenium II ..... $ Call
Other ..... $ Call

MONITORS

14" SVGA Color Monitor (1024 x 768) .28 NI $138
15" SVGA Color Monitor (1024 x 768) .28 NI $188
17" SVGA Color Monitor (1280 x 1024) .28 NI $388
17" Samsung 17GLSI Monitor .26 ..... $598
14" Sampo 411 Digital Color Monitor $158
15" Sampo 511 Digital Color Monitor $218
17" Sampo 711 Digital Color Monitor $418
19" Hitachi CM751U $968
Other ..... $ Call

NEC

15" E500 ..... $368
15" M500 ..... $368
17" E700 ..... $658
17" M700 ..... $748
17" P750 ..... $768
21" E1100 ..... $1,198
21" P1150 ..... $1,378
Other ..... $ Call

SONY

15" 100SX $338
15" 100SF $358
17" 200SF $698
17" 17SE-2T $848
20" 300SFT $1,348
20" 20SE-2T $1,768
24" W900 ..... $4,298
Other ..... $ Call

ViewSonic

17" G773 ..... $528
17" 17PS $658
17" PT770 ..... $658
17" PT775 ..... $688
20" G800 ..... $998
21" P815 ..... $1,448
Optiquest V95 19" $848
Other ..... $ Call

Acer

14" 34T (1024 x 768) .28 NI ..... $ Call
15" 56C (1280 x1024) .28 NI w/ Digital Control ..... $ Call
17" 78IE (1600 x 1200) .26 NI w/ Digital Control . $ Call
Other ..... $ Call

INTERFACE CARDS

Kowell - 508E Bi-Directional Parallel Card $13
Kowell - 508D-1EPP & ECP Parallel Card (Single) . $23
Kowell - 508D-2 EPP & ECP Parallel Card (Dual) .. $33
Kowell - 2S (16,550) ,1P (EPP & ECP) $23
2280 IDE ISA 2HD & 2FD 2s (16,540), 1p, 1g $13
EIDE ISA w/ Bios 4HD & 2FD 2s (16,550), 1p, 1g $28
EIDE VLB w/ Bios 4HD & 2FD 2s (16,550), 1p, 1g $28
Other ..... $ Call

adaptec

2940U Ultra PCI SCSI-2 (OEM) $168
2940UW Ultra Wide PCI SCSI (OEM) $198
3940UW Ultra Wide PCI SCSI (OEM) $398
2940U Ultra PCI SCSI-2 (Box) $238
2940UW Ultra Wide PCI SCSI (Box) $278
3940UW Ultra Wide PCI SCSI (Box) ..... $ Call
Other ..... $ Call

HARD DISKS

FUJITSU

MPA3017AT 1.7GB Ultra ATA $123
MPA3026AT 2.6GB Ultra ATA $163
IDE MPA3035AT 3.5GB Ultra ATA $183
IDE MPA3043AT 4.3GB Ultra ATA $223
IDE MPA3052AT 5.2GB $263
4.3GB Ultra SCSI 16-bit (40Mb/sec) ..... $ Call
9.1GB Ultra SCSI 16-bit (40Mb/sec) ..... $ Call
Other ..... $ Call

Quantum

FireBall ST IDE 2.1GB Ultra ATA, 33MB/s $178
FireBall ST IDE 3.2GB Ultra ATA, 33MB/s $218
FireBall ST IDE 4.3GB Ultra ATA, 33MB/s $258
FireBall ST DE 6.4GB Ultra ATA, 33MB/s $358
FireBall ST Ultra SCSI 2.1GB $228
FireBall ST Ultra SCSI 3.2GB $298
FireBall ST Ultra SCSI 4.3GB $338
FireBall ST Ultra SCSI 6.4GB $448
Other ..... $Call

WESTERN DIGITAL

IDE 2.5 Gb 12ms (WD-22500) $188
IDE 3.2Gb Ultra ATA (WD-33200) $208
IDE 4.3Gb Ultra ATA (WD-34300) $258
IDE 5.0Gb Ultra ATA (WD-35000) $288
IDE 6.4Gb Ultra ATA (WD-36400) $318
4.3GB Ultra SCSI 16-bit (40Mb/sec) $538
9.0GB Ultra SCSI 16-bit (40Mb/sec) ..... $ Call
Other ..... $Call

Seagate

4.3GB Ultra SCSI 16-bit (ST 34371W) ..... $ Call
9.1GB Ultra SCSI 16-bit (ST 19171W) ..... $ Call
4.5GB Ultra SCSI 16-bit (ST 34501W) ..... $ Call
9.1GB Ultra SCSI 16-bit (ST 19101W) ..... $ Call
Other ..... $ Call

FLOPPY DRIVES

1.44Mb (Mitsumi) $18
1.44Mb (TEAC) White $23

CD-ROM & CD-R DRIVE

CD IDE Acer 24X $73
CD IDE Mitsumi 24X $73
CD IDE Teac 24X $73
CD IDE Toshiba 24X $78
CD SCSI Teac 16X $108
CD SCSI Toshiba 15X $148
CDR SCSI Sony (6R, 2W) $348
CDR IDE Writer Pluse IDE HP 7110i $388
CDR SCSI Yamaha 100 (6R, 4W) $538
Other ..... $Call

CASE & POWER SUPPLY

Mini tower Case + 230 W.P.S $23
Desktop AT Case + 230 W.P.S $25
Super Mini tower Case + 230 W.P.S $28
Medium tower Case + 230 W.P.S $38
Full tower Case + 250 W.P.S $58
Irwin ..... $ Call
Asus $88
Chenbro ..... $ Call
Gigastar ..... $ Call

MODEMS

DIAMOND Computer Systems, Inc.

Supra Express 56K Internal (OEM Version) $93
Supra Express 56K Internal (Box Version) $118
Supra Express 56K External (Box Version) $138
Supra NetCommander ISDN ..... $ Call
Other ..... $ Call

U.S. Robotics

The Intelligent Choice in Data Communications

OEM Box Sportster 840 33.6 Internal $83
OEM Box Sportster 1171 33.6 w/ Voice Internal $93
Retail Box Sportster 840 Internal $93
Retail Box Sportster 1171 Internal $118
Retail Box Sporter 1787 56K Internal $168
Retail Box Sporter 1786 56K External $183
Retail Box Sporter Voice 1785 56K Internal $188
Retail Box Sporter Voice 1784 56K External $198
Retail Box Sporter ISDN 128K Internal $218
Other ..... $Call

MICE

OEM Logitech Products sold with system only

Logitech 2 Buttons Serial (OEM) $5
Logitech 3 Buttons PS-2 (OEM) $8
Logitech First Mouse Serial (OEM) $9.95
Logitech First Mouse PS-2 (OEM) $9.95
Logitech MouseMan Serial (OEM) $18
Logitech MouseMan Combo (OEM) $23
Logitech Internet Mouse Combo (OEM) $23
Logitech TrackMan Vista (OEM) $33
Logitech TrackMan Marble (OEM) $48
Logitech First Mouse PS-2 (Box) $18
Logitech MouseMan 96 (Box) $38
Logitech Cordless MouseMan Pro (Box) $73
Logitech TrackMan Marble (Box) $78
Kensington Orbit Mouse (Box) $68
Genius NetMouse (Box) $8

Microsoft Products sold with system only

Microsoft Natural Keyboard $48
Microsoft Serial Mouse (Ergonomic) $18
Microsoft PS-2 Mouse (Ergonomic) $23
Microsoft IntelliMouse (Ergonomic) $38
Other OEM Products ..... $ Call

ACCESSORIES

Logitech WingMan Joystick Warrior (Retail Box) $73
Mitsumi 104 Keyboard $13
Keytronic 104 Keyboard $23
HP Colorado T3000 Travan 3.2Gb $168
Speakers 80 Watts $13
Speakers 200 Watts $23
Speakers 300 Watts $43
Yamaha YST-M7 (5 Watts per channels) $38
Yamaha YST-M15 (10 Watts per channels) $65
Yamaha System 25 ..... $98
Yamaha Subwoler $98
Altec Lansing ACS5 ..... $38
Altec Lansing ACS31 ..... $93

CREATIVE

CREATIVE LABS, INC.

Sound Blaster 16 P&P (OEM) $43
Sound Blaster AWE64 Value P & P (OEM) $78
Sound Blaster AWE64 Value P & P (Retail Box) . $93
Sound Blaster Gold AWE64 P & P (Retail Box) $178
Other ..... $ Call

USA Pixel

Pixel USA

(408) 293-8333

810 South Bascom, San Jose, CA 95128

Fax: (408) 293-8353

VISA MasterCard

Prices subject to daily fluctuation. Please call for lastest price. Not responsible for typos.

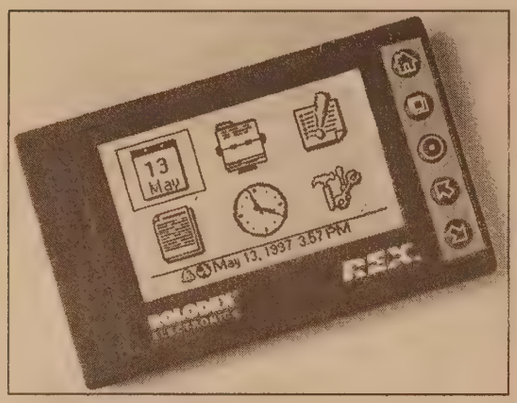
See our product catalog with manufacturer links at our web site

http://www.pixelusa.com

(we sell web servers too)

Clockwise from top left: REX PC Companion from Franklin Electronic Publishers; Olympus P-300 Personal Photo Printer; Xerox Document HomeCentre; Sony IJP-V100 All-In-One Printer.

Product Announcements *continued from page 182*



also imports existing organizer data from most popular PIM programs including Starfish's Sidekick, Microsoft's Schedule++ and Outlook, Lotus Organizer, and others. It is powered by two lithium batteries that run for up to six months with normal use (REX-3DS bundled with REX Docking Station, $179.95) Franklin Electronic Publishers, One Franklin Plaza, Burlington, NJ 08016-4907. 1-800-REX-6400. URL: *http://www.franklin.com/rex*.

Smartpage Email Paging

Pager and paging service provider SmartPAGE.Net and Internet Service Provider JPS.Net have joined forces to provide email paging. The new email paging service, called "Smartpage," has the ability to deliver alpha messages and other features to the user at a price comparable to numeric paging service alone. The service offers users unlimited email paging, a Web page for email messages, voice mail, as well as unlimited alpha and numeric paging. Caller ID, statewide/tri-state paging, additional email addresses, extra phone numbers and alpha dispatch are also available as an added option. Smartpage also plans to offer news headlines via their pagers by the end of the year. ($89/year; $179 the first year includes a Motorola Advisor alphanumeric pager) SmartPAGE.Net, 770 L St., Ste. 960, Sacramento, CA 95814. 1-888-478-4321. URL: *http://www.smartpage.net*.

Printers

P-300 Personal Photo Printer

The Olympus P-300 personal photo printer provides high-quality instant prints directly from all Olympus digital cameras or from a computer (Macintosh or Windows) for users who want to retouch or manipulate an image before printing. The P-300 is a 300 dpi, photo-quality dye-sublimation printer (equivalent to 2400 dpi resolution on an inkjet printer). It prints on many types of paper including 4" x 5.5" photo paper, 4" x 5.5" photo label paper, and 16-up miniature photo labels. The printer can automatically print up to thirty reprints of the same photo without reloading. It comes with a ten-print photo paper and ribbon kit. ($399) Olympus America, Inc., Two Corporate Center Dr., Melville, NY 11747-3157. 1-800-347-4027. URL: *http://www.olympus.com*.

VAIO All-In-One Printer IJP-V100

The Sony IJP-V100 gives you full-color and monochrome printing, faxing, copying, and scanning capabilities all in one compact desktop device. It is ideal for the small office, home office, or for personal uses. It works with any Windows 95 PC. With 300 x 300 dpi color output, a 150-sheet auto feeder, a 50-sheet output tray, and a separate envelope slot, the IJP-1000 rivals standalone inkjet printers. Four fax modes—standard, fine, 300 dpi, and photo—let you send and receive faxes at the optimal level of detail; the IJP-V100 also has an auto-redial and an auto fax/telephone answering machine switch that enables the IJP-V100 to silently detect incoming faxes on a shared phone line. It also features two copying resolutions: monochrome text (600 x 300 dpi) and photo grayscale (300 x 300 dpi). Measuring only 17" x 14.15" x 10.15", it requires little desk space, and also conserves PC slot space by connecting through a single parallel port. (Estimated selling price, $599) Sony Electronics, Inc., 3300 Zanker Rd., San Jose, CA 95134. 1-800-4-SONY-PC. URL: *http://www.sony.com/technology*.

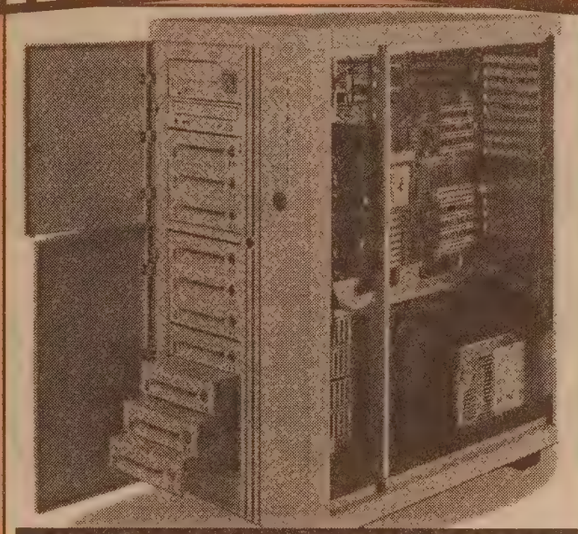
Document HomeCentre

The Document HomeCentre is a full-color, multifunction PC peripheral no larger than an ordinary printer. It combines a detachable, 24-bit, 800 x 800 dpi color scanner, a color inkjet printer, and a 300 x 300 dpi color copier, with professional versions of Xerox's Pagis Pro 97 and other creativity software. Pagis Pro allows users to capture, use, and organize color documents, bringing together three key technologies to create a powerful scanning solution: Xerox's PerfectScan, Verity's Topic Search Engine, and Xerox's TextBridge Pro. Other software includes Sierra Print Artist 4.0, which provides the tools needed to produce creative one-of-a-kind projects quickly and easily, and PictureWorks PhotoEnhancer, which includes editing and filtering tools for color correction, contrast, and other imaging options. The versatility of the Document HomeCentre allows families to create a wide array of colorful projects, including greeting cards, family albums, party invitations, iron-on T-shirt transfers, and signs. ($499) Xerox Corp., Xerox Sq., Rochester, NY 14644. 1-800-TEAM-XRX. ■

440LX AGP CHIPSET
BEST PERFORMANCE FOR YOUR SERVERS & WORKSTATIONS
NT WORKSTATION WINDOWS NT SERVER

P-II 266MHz WORKSTATION
Intel 440LX AGP Chipset w/512K Cache
64MB DIMM/10ns SDRAM Memory
5.2GB Ultra DMA IDE Hard Disk Drive
Super AGP 128-Bit 3D Video Card/4MB
24X CD-ROM EIDE & 1.44MB Floppy
Sound Blaster AWE 64 Sound Card
Hi-Powered Stereo Speaker Systems
56K X2 US Robotics PnP Fax Modem
104-Key Keyboard, Mouse, and Pad
Mid Tower Case with Power Supply
Microsoft Windows 95 or NT 4.0 WS
Pentium® II 266MHz $2100
Pentium® II 300MHz $2320
Quality Components

Pentium® II 266MHz
$1980



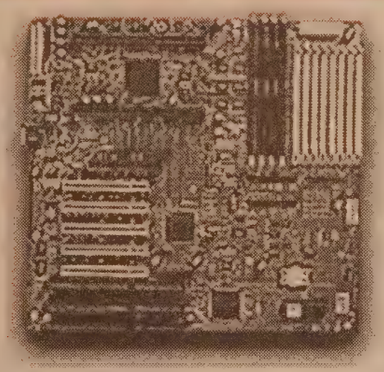
DUAL PROCESSOR • THERMAL CONTROL
FAULT-TOLERANT REDUNDANCY

PROFESSIONAL 98 WORKSTATION
Intel 430TX Chipset w/512K Cache
32MB EDO 72-Pin SIMM Memory
3.5GB Ultra DMA IDE Hard Disk Drive
Matrox Millennium II 4MB Graphic Card
24X CD-ROM EIDE & 1.44MB Floppy
Sound Blaster AWE 64 Sound Card
Hi-Powered Stereo Speaker Systems
56K X2 US Robotics PnP Fax Modem
104-Key Keyboard, Mouse, and Pad
Mid Tower Case with Power Supply
Microsoft Windows 95 CD Installed
Pentium® 200MHz MMX $1490
Pentium® 233MHz MMX $1590
MMX Technology

Pentium® 166MHz MMX
$1380

P-II 300MHz CAD STATION
Intel 440LX AGP Chipset w/512K Cache
128MB DIMM/10ns SDRAM Memory
9.0GB Ultra Wide SCSI Hard Disk Drive
Super AGP 120-Bit 3D Video Card /8MB
24X CD-ROM EIDE & 1.44MB Floppy
Sound Blaster AWE 64 Sound Card
Hi-Powered Stereo Speaker Systems
56K X2 US Robotics PnP Fax Modem
104-Key Keyboard, Mouse, and Pad
10 Bay Full Tower Case with 300W
Microsoft Windows 95 or NT 4.0 WS
Pentium® II 266/300MHz. $3360/3590
Dual Pentium® II 266MHz $3990

CUSTOM CONFIGURATION



SUPERMICRO®

P-II 300MHz FILE SERVER
Intel 440FX Chipset w/512K Cache
128MB EDO ECC RAM (up to 1GB)
24X CD-ROM IDE & 1.44MB Floppy
9.0GB Ultra Wide SCSI Hard Drive
Adaptec 2940UW SCSI Controller
2MB PCI Super VGA Graphic Card
3COM/3C905 TX 10/100 PCI Card
Enhanced 104-Key Keyboard Serial
MS Compatible Mouse and Pad
Full Tower w/Dual Redundant 300W
MS Windows NT 4.0 Server/5 Client
Pentium® II 266/300MHz. $3910/4120
Dual Pentium® II 266MHz $4560

FREE TECHNICAL SUPPORT

BRAND NAME COMPONENTS

MOTHERBOARDS
Intel Anchorage, 430TX w/Sound, ATX $176
Intel Lone Tree, 430TX w/USB, ATX $165
Intel Atlanta, 440LX, ATX $198
ASUS TX97-X/TX97-XE, 430TX, ATX $158/158
ASUS P2L97-S 440LX, ATX. $240/328
SuperMicro P6DLS, 440LX, Dual P-II, SCSI, ATX $430
SuperMicro P6DLF, 440LX, Dual P-II, AT $358
SuperMicro P6SLA, 440LX, ATX. $218
SuperMicro P5MMS 98/P5MMA 98 430TX $136/148

FAX/MODEMS
Diamond Supra Express 56K PnP Int./Ext. $98/138
US Robotics Sportster X2 56K PnP Int./Ext. $138/198

CPU & MEMORY
16MB/32MB EDO 72 Pin. $48/92
64MB/128MB SDRAM 168 Pin 10ns $260/596
Intel Pentium® MMX 166/200/233MHz $146/236/345
Intel Pentium® II 233/266/300MHz $485/580/790
AMD K6 MMX 166/200/233MHz. $128/198/315

HARD DRIVES
IBM 4.3GB UW SCSI $365
IBM 9.0GB UW SCSI $795
Quantum 3.2/4.3/6.4GB Ultra DMA $209/250/352
Seagate 4.3/9.0GB IW SCSI Barracuda $645/998
Seagate 4.5/9.1GB IW SCSI Cheetah $709/1095
Western Digital 2.5/3.1/5.1GB IDE $190/205/350

VIDEO CARDS
Matrox Millennium II 4/8MB OEM $198/298
Diamond Stealth 3D 2000 PCI DRAM 2/4MB $53/96
Diamond Stealth Fire GL 1000 4/8MB OEM $165/196
Sound Blaster SB AWE 64 Value $79

MONITORS
Sony CPD-200SX 17" 1280x1024 .25. . . . . $586
ViewSonic G771 17" 1280x1024 .28 . . . . . $529
ViewSonic PT770 17" 1600x1280 .25. . . . . $648
ViewSonic P810 21" 1600x1280 .25. . . . . $1290
For Items Not Listed Here. . . . . $Call

Best Service, Best Quality, and Best Value Since 1988

Golden Valley Systems

Golden Valley Systems Inc., 1750 Houret Court, Milpitas, CA 95035
Tel: 408-934-5898 Fax: 408-934-5896

Product Reviews

PC Software Reviews

DacEasy v4.0

Published By: DacEasy
List Price: $149.95
Reviewed By: David A. Simon, CPA

DacEasy Accounting & Payroll 95 is an accounting package targeted to small businesses. In addition to traditional features such as invoicing and check writing, it offers a noteworthy list of enhancements.

DacEasy supports both service- and inventory-based billing. For service providers, invoices can be generated by time and billing, showing detailed descriptions of how your time was spent. Special enhancements include a call tracker and letter merge. Other special features include an audit trail drill down, credit card processing, and automatic error correction in posting routines.

Although designed for small business, the program offers simplified versions of fixed-asset accounting, LIFO inventory control, and multiple-company consolidation, which tend to benefit more demanding users.

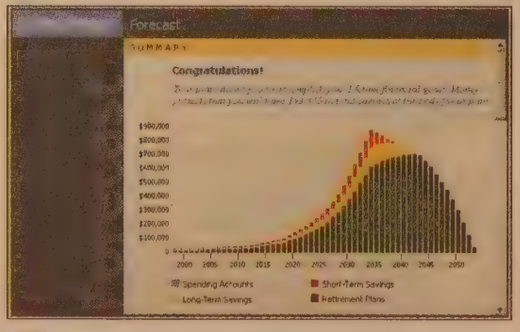
DacEasy v4.0 is a 2-bit application that runs on Windows 95, Windows 3.1 and Windows NT; however, it is mainly targeted for Windows 95 users. It can import and export data with Open Database Connectivity (ODBC) compliant applications, such as Microsoft Word and Excel. For networked users, the program offers the ability to assign various levels of password protection, down to the dialog level.

In general, DacEasy is well planned out, and the report-generating capabilities are a noteworthy improvement from earlier versions. (DacEasy, Inc., 17950 Preston Rd., Ste. 800, Dallas, TX 75252. 1-800-322-3279. URL: *http://www.daceasy.com*)

Microsoft Money 98 Financial Suite

Published By: Microsoft Corp.
List Price: $55.95
Review By: David A. Simon, CPA

Microsoft's Money 98 Financial Suite, for



Windows 95, manages household finances and aims to provide a one-stop financial shop. It tracks income and spending, and provides financial planning tools as well. The program handles online banking, bill payment, and investment tracking.

The current version adds the latest generation of graphic-intensive features, many of which are geared to summarize financial information with particular attention to ease-of-use. In tracking investment performance, for example, there is a high degree of integration with financial information available on the Internet. The investment tracking features install and run almost completely automatically.

Microsoft Money 98 Financial Suite includes a free six-month subscription to Microsoft Investor, a fee-based Internet service that allows users to track and trade stocks and mutual funds and perform investment research. Although Money 98 defaults to Microsoft's Internet Explorer (to no one's surprise), it is also fully compatible with Netscape Navigator.

The product is positioned to compete with Intuit's Quicken. Upon installation, it will identify that Quicken is loaded on the same drive, and automatically imports your Quicken data without otherwise disturbing it. If you use Money 98 for a while but decide to go back to Quicken, however, Microsoft does not provide a return path. Money 98's interface seems opulent compared with Quicken. Some users will prefer this power feel, while others may find it to be gratuitous and overstated.

Not all Quicken features are supported by Money 98, and vice versa. For example, Money is less adept at handling infrequently encountered stock transactions such as mergers and

State-of-the-art web hosting

Reliable & Fast

Fault Tolerant Systems, made up of Cisco 7500 routers & Silicon Graphics WebFORCE servers, connected to multiple backbones via fiber optic T3 lines.

Responsive & Professional

Professional support by Internet specialists available 7 days a week, in multiple languages. Free domain registration within 24 hours.

Reputable & Trusted

Hosting a number of major corporations and Fortune 500® companies. See our site for complete list.

Features include:

- Your own domain name
- Unlimited ftp, Anonymous ftp
- E-mail accounts & forwarding
- Site administration control panel
- E-mail Autoresponders
- Streaming RealAudio® & RealVideo™
- Excite® search engine
- CGI scripts library & mSQL database
- Secure Cart for online commerce
- Secure Server and Cybercash
- Shockwave™, Quicktime™, Java™ Javascript™, Truespeech®, Perl, C, SSI and ActiveX™ support
- Microsoft® Frontpage™ ready
- Fiber optic T3s to major backbones
- Daily comprehensive hit statistics
- Full time battery and tape backup

1-888-NET-LTD1
(1-888-638-5831)

Packages Starting at **$19.95*/month**
*3 month minimum contract, $50 setup fee

30 day money back guarantee

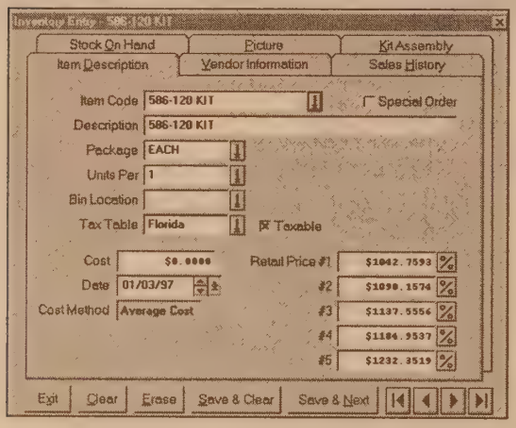
Web: http://www.netlimited.net NETLimited **E-mail: net@netlimited.net**

spin-offs. While such transactions may seem esoteric, having program capabilities to deal with them makes tracking your investments easier on those occasions.

A trial version can be downloaded from the Money home page at *http://www.microsoft.com/money/* . An online tour is also available at this site. (Microsoft Corp., One Microsoft Way, Redmond, WA 988052-6399. 1-800-426-9400. URL: *http://www.microsoft.com*)

Proven Edge Professional Edition v6

Published By: Proven Edge
List Price: $599
Reviewed By: David A. Simon, CPA



Proven Edge Professional Edition is a multi-functional integrated software package designed to do everything for small businesses. A cross between the whole-kit-and-caboodle and the kitchen sink, Proven Edge includes accounting, contact management, appointment scheduling, project management, full-featured word processing, and graphical reporting around a common database.

It also comes with a training video and—I kid you not—a shrink-wrapped bag of Act II Microwave Popcorn with Butter and other natural flavors (11 grams total fat, 390 mg sodium.)

The central-most program feature is accounting, which manages the checkbook and tracks inventory and costs of sales, and includes payroll and job costing. But the other program features like word processing are also prominent and integral to the program's concept.

Proven Edge is unique in its attempt to integrate so many functional areas that are important to running a small business into one package. The company literature explains, "Over and over again, we heard [small business] needed *one* product to address *all* of the issues related to managing people, time and money."

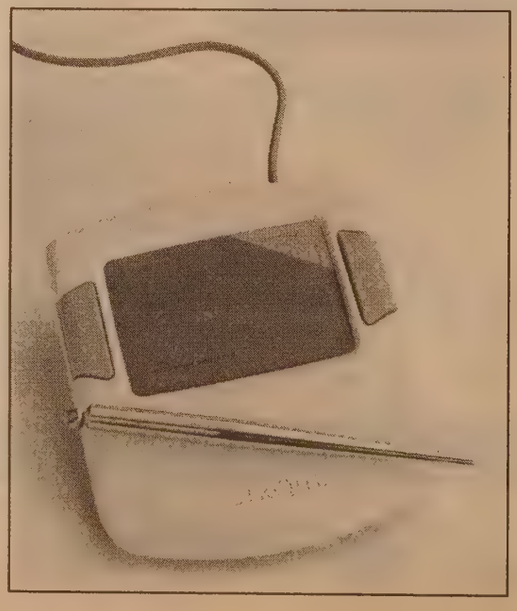
The underlying premise—one package does all—may seem promising, but it's hard to imagine how a small company can offer a Vegi-matic that competes against the behemoths and their office suites. In many instances, the program capabilities are somewhat limited and the interface hasn't quite kept up. For example, you can't click on a line-item in the general ledger and drill-down to the transaction entry screen, as with leading accounting packages. Proven Edge might thus be described as a company that strives for the impossible and fails at it. (Proven Edge, Inc., 9501 International Ct., St. Petersburg, FL 33716. 1-888-877-6836 URL: *http://www.provenedge.com*)

PC Accessories Reviews

Power Cat

Published By: Cirque
List Price: $79
Reviewed By: Douglas J. Nakakihara

Get ready to toss out your mouse! The Power Cat from Cirque combines just the right amount of fingertip time-savers with an accurate, easy-to-use touchpad. Sliding your finger around the surface navigates your pointer around the screen. If you run out of area, you simply lift your finger after reaching the edge and slide some more. A light tap is the same as a single-click and tapping twice is a double-click. Holding your finger down on the second tap puts you into the drag mode. What could be easier? For right-button clicks there is a special area in the corner of the pad.



The pad features a scroll area along the edge that automatically controls a window's scroll bar—an awesome feature!. There is a back/forward area for use with your Internet browser too. Windows 97 window zooming is supported too. There are also physical left and right buttons on the unit. The supplied driver software lets you totally customize your touchpad actions, including things like minimizing windows and much more.

The Power Cat comes with a metal writing stylus for more accurate control and software to capture and paste your signature or sketches into your favorite app. Previously, I was reluctant to even consider giving up my long-time rodent friend, but Power Cat has convinced me otherwise. Extremely fine dragging can be problematic; however, the Power Cat works simultaneously with other pointing devices, so you can have the best of both worlds. Two other models are available, one with a street price of $29. (Cirque, 433 W. Lawndate Dr., Salt Lake City, UT 84115. 1-888-TOUCH-90, 801/467-1100. URL: *http://www.glidepoint.com*)

SideWinder Force Feedback Pro

Published By: Microsoft
List Price: $159.95
Review By: David A. Simon, CPA

The Microsoft SideWinder Force Feedback Pro joystick, a motorized interactive joystick, is designed to run with a new generation of programs that will direct motors in the joystick to respond according to programmed routines in upcoming game software.

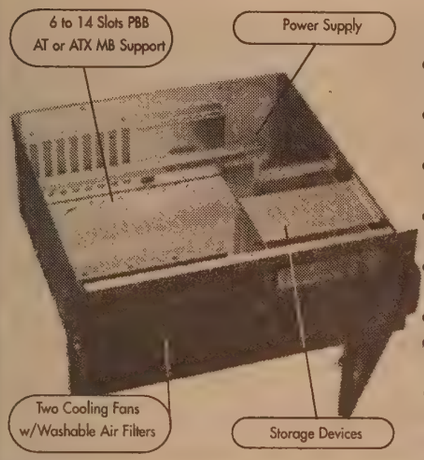
The joystick includes eight programmable buttons, an eight-way hat switch and a shift key that doubles the function of each (in supported games). It also has a throttle wheel and on-stick 3-D rotation.

The idea here is that a gamer will be able to experience the recoil from firing a machine gun or feel the resistance of pulling a jet fighter out of a dive. Because the joystick lets the user feel the action in fighting and shooting, it represents a new generation of realism and sensation in computer games.

However, I found response times too slow and maneuvering awkward. In one game, after pressing the trigger, by the time a gun would start shooting the target had long escaped the

VISIT OUR WEB SITE @ www.multimicrosys.com

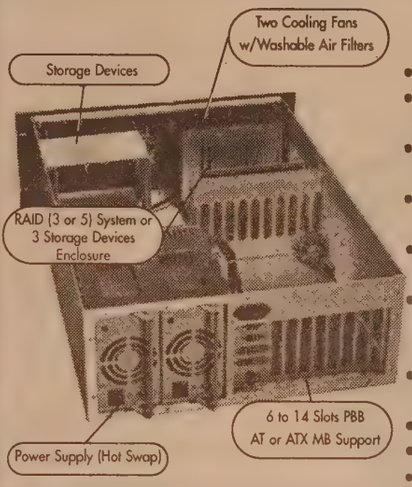
19" RACKMOUNT ENCLOSURE



Specifications:

- Faceplate Dimensions: 19"W x 7"H
- Chassis Dimensions: 17"W x 7"H x 17"D
- Weight: 15 lbs. w/o Power Supply
- Peripherals: Up to 4 Storage Devices
- Steel & Aluminum Construction
- Power Supply
- Cooling Fans: Two 60 CFM Intake Fans
- Expansion: PCI/ISA Passive Backplane (6-14 slots), Segmented up to 2 systems

19" RACKMOUNT ENCLOSURE

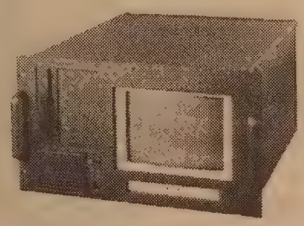


Specifications:

- Steel & Aluminum Construction
- Faceplate Dimensions: 19"W x 7"H
- Chassis Dimensions: 17"W x 17"H x 24"D
- Weight: 17 lbs. w/o Power Supply
- Expansion: PCI/ISA Passive Backplane (6-14 slots)
- Power Supplies: 230,250, 300 to 400W Hot Swapable Power Supply (250-400W optional)
- Cooling Fans: Two 60 CFM Intake Fans
- RAID Level 5 11.2GB HD
- Door: Dustproof & Lockable
- Up to Nine Storage Devices

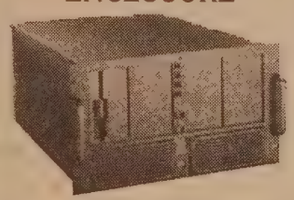
MADE IN U.S.A.

19" RACKMOUNT w/MONITOR



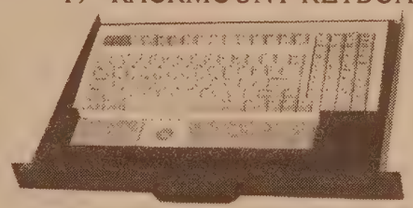
- 19" Rackmounting
- Integral Monitor
- 10".28 dot pitch SVGA Color
- 9" Mono-TTL or VGA
- 8 or 14 Slot Passive Backplane
- 8 Slot Motherboard Mounting
- U.S.A. Manufactured

HARD DISK CD-ROM ENCLOSURE



- 8, 14 & 20 Slot Options
- Dual Power Supplies
- Hot Swappable Redundant Power Supplies (Optional)
- 8 Drive Bays
- 8 Fans
- Motherboard or Passive Backplane
- 200-600 Watt Power Supply
- U.S.A. Manufactured

19" RACKMOUNT KEYBOARDS



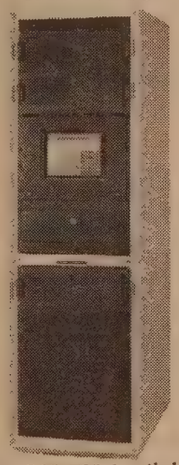
RMK-102

- Space for Mouse or Trackball
- Switch Selectable for PC XT/AT or PS/2
- 20,000,000 Life Cycles per switch
- Separate Numeric and Cursor Keys
- Twelve Function Keys
- Suplied 22" Sliding Rail for 19" Rack
- 19" (W) x 1.75 (H) x 16.5" (D)

RMK-102TB w/ Trackball

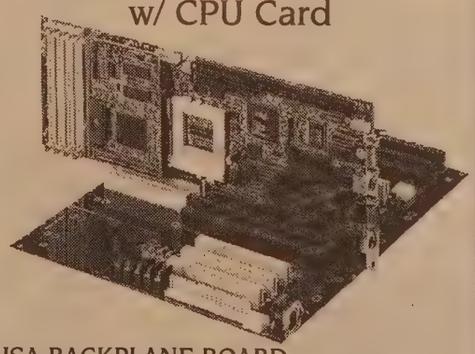
- Compatibility: Microsoft &/or PS/2 PDP
- Interface: RS-232C or PS/2 PDP
- Connector: DB-9 Serial or 6-pin Mini DIN
- Encoder: Opto-mechanical
- Tracking Speed: 500mm/sec. (20"/sec.)
- Switch Lifetime: 1 Million Cycle
- 19" (W) x 1.75 (H) x 16.5" (D)

RACK MOUNT CABINETS



From 21"–78" Available

PASSIVE BACKPLANE BOARD w/ CPU Card



-ISA BACKPLANE BOARD
3 to 20 Slots
-PCI BACKPLANE BOARD
8, 14, 20 Slots
-Segmented Backplane Available

9" SVGA MONITOR MONO PAPER WHITE

- CRT: 9" x 90 DEFLECTION NON-GLARE PAPER WHITE
- RES: 1024x768, 720x400, 640x480
- POWER SUPPLY: 100-240V

Terms & Conditions

Prices subject to change without notice. Not responsible for typos or errors. Prices based on cash. Please ask about products not listed in this advertisement. 1 year warranty on parts.

•RESELLER/VAR INQUIRIES
•CORPORATE PO's
WELCOME
Email:mmsys@pacbell.net

MULTI-MICRO SYSTEMS

Is The Leading Manufacturer of Rack Mount Enclosures

- •Custom Built to Your Specifications. First Prototype (T1) is FREE
- •System Integrator
- •Manufactured in the USA
- •We Believe In Our Customers' Satisfaction

CALL FOR DETAILS & PRICING

OST, Inc.

2124 Zanker Road
San Jose, CA 95131

Under previous business name: Multi-Micro Systems, Inc.

Order Information
(800) 875-0333

TEL:(408) 437-1555 • FAX:(408) 437-1583

Mon-Fri: 8:30am-5:30pm PST

MasterCard VISA

cross hairs. Some of the force feedback effects seemed unrealistic and gratuitous. The joystick's cooling fan seems unnecessarily large, and the fan generates a disturbing amount of background noise.

Only the most adventurous will buy a mechanized joystick this Christmas. The major drawback is that almost no software has reached the market to take advantage of its features.

I found only one action game worth writing home about, namely, LucasArts' *Star Wars: Shadows of the Empire: Battle of Hoth*. As explained in LucasArts' readme file, drivers for many popular 3-D video cards, such as the Diamond Stealth 3000 and Matrox Millennium, are under development. And if you don't have a supported 3-D video card (costing another $150–$200), it won't run at all.

Microsoft has been accused of releasing new products before their time. That seems to be the case here. The technology seems exciting and revolutionary. However, most gamers will find it worth waiting for v2. (Microsoft Corp., One Microsoft Way, Redmond, WA 988052-6399. 1-800-426-9400. URL: *http://www.microsoft.com*)

INT100CS Internet Telephone

Manufactured By: Riparius Ventures, Inc.
List Price: $29.95
Review By: Robert W. Lawson

If you have someone on your holiday gift list who routinely runs up their long-distance phone bill, you might consider introducing them to Internet telephony. The gift of an Internet telephone receiver from Riparius Ventures, Inc., is the perfect way to get them hooked, as it's relatively inexpensive and easy to use.

The INT100CS Internet Telephone looks like the receiver that you'd find on a traditional telephone. The difference is that with the INT100CS, there are no other parts to the phone. It plugs right into the jacks on your computer, leaving the real work to be done by your soundcard, software, and the Internet.

Sure, there are still many rough edges on Internet telephony, but the technology is getting better and the INT100CS, by looking and feeling like a traditional telephone, takes us a large step closer to routine use of the Internet to complete calls.

The Internet has been used to transmit conversations for several years, but slow modems and other technical hurdles kept Internet telephony from being little more than a novelty. Recent breakthroughs on the software front have opened the door to Internet telephone use—even to people with aging 486/33 computers sporting 14.4Kbps modems.

While the high-tech end of Internet telephony has been greatly improved, Internet telephone users have still had to struggle with the microphones and speakers that most people have used to talk via computer. With a microphone sitting on your desk, the varying distance between mouth and microphone has produced poor sound. And with speakers loudly broadcasting your conversation, users have often encountered annoying feedback loops through the microphone.

But these problems have been solved—just as they were on traditional phones many years ago—by placing the speaker and microphone together on a telephone handset. When you hold the receiver to your head, a relatively fixed distance is maintained between your mouth and the receiver's internal microphone. And with the earpiece pressed firmly to your ear, feedback loops are eliminated.

The INT100CS is an elegantly simple solution to a technical problem while its simplicity and traditional feel break a major psychological barrier to the use of the Internet for phone calls. Do recall that to use an Internet telephone, both you and the person with whom you wish to speak must have Internet telephone capability and must both be online at the same time for you to connect a phone call.

The INT100CS weighs under a pound and comes bundled with trial WebPhone software needed to use the phone. Alternative software packages can also be downloaded from such companies as Microsoft and Intel. (Riparius Ventures, Inc., 375 Padonia Rd. W., Ste. 200, Timonium, MD 21093. 410/561-8811 1-800-394-8812. URL: *http://www2.riparius.com*)

Workgroup Software Review

Commence 4.0

Published By: Commence Corp.
List Price: $499 per server plus $299 per user
Review By: David A. Simon, CPA

Commence 4.0 is a personal information management software suite designed for a workgroup environment. The major modules include address book, calendar, appointments, letters, to-do's, contacts, and project management. Commence 4.0 is aimed at mid-sized businesses that share calendering and contact information on a network. The program is primarily intended for Windows NT, but also fully supports Windows 95 and 3.1.

As a workgroups calendering program, a user can schedule group meetings by finding an available meeting time that works for all. Similarly, the program maintains Gantt Charts, so that projects that pass from hand-to-hand can be scheduled and tasks assigned.

Commence employs an array of features for automating tasks, sharing and integrating data, and relating information. For example, it allows local and remote users to share information such as projects, calendars, customers, notes, and letters.

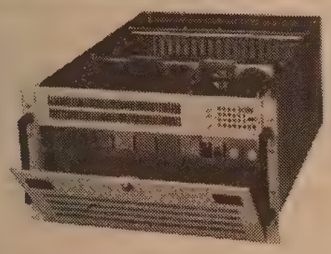
The program uses the Windows Messaging standard so that information can be visible or accessed from Microsoft Exchange. The program integrates with popular word processing packages and email packages such as CC:Mail, MS Mail, and Notes Mail.

The need to keep track of people, companies, tasks, notes, to-do's, and projects is universal—the larger the organization, the more complex the task becomes. Commence 4.0 is positioned in the middle market. The interface is not particularly intuitive and does require some getting used to, reflecting the fact that it is intended for a somewhat complex environment. (Commence Corp., 66 W. Gilbert St., Shrewsbury, NJ 07702. 732/530-4666 1-800-688-7080. URL: *http://www.commence.com*)

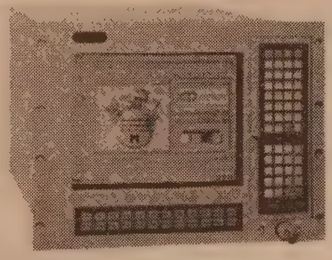
Helping with Your

Industrial PC Systems Solutions

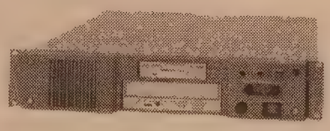
Since 1990



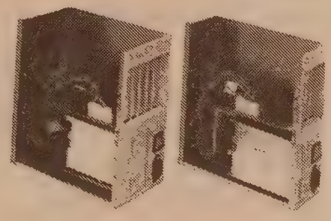
◆6U Rackmount Chassis
◆20-Slot ISA/PCI BP option: 10+10, 5+5+5+5
◆Redundant Power Supply
◆8 Drive Bays



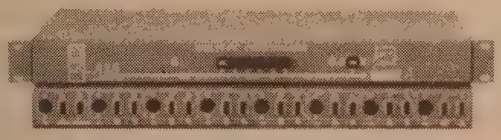
•19" Industrial Rackmount Workstation
•Built-in 14" or 15" Color SVGA monitor (or 9.4/10.4/14" Color LCD)
•PS Universal 65~265 VAC Input or DC/+12,+24, -48V Input
•4/8/10/12/14 Slot ISA/PCI Backplane Option



✓2U Height (3.5") Chassis
✓4 Drive Bays, 1-CD, 1-FD, 2-HD
✓PS AC Universal, or DC/+12, +24, -48V
✓5-Slots
Type 1: 2-PCI, 2-ISA, 1-CPU (PICMG)
Type 2: 5-ISA
Type 3: 4-PCI, 1-CPU (PICMG)



◆Compact Size
◆Wall Mount, Rackmount or Stand-Alone Chassis
◆3-slot/5-Slot
◆Power Supply: AC Universal or DC/+12, +24, -48V

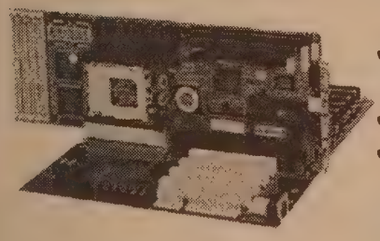


•Multi-PC Controller VGA/KB/Mouse (Audio/Voice Option)
•Auto Scan or Manual Control
•4/6/8/16 Ports Available

PC/104 COMPATIBLE

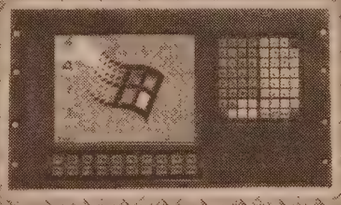
ARISE

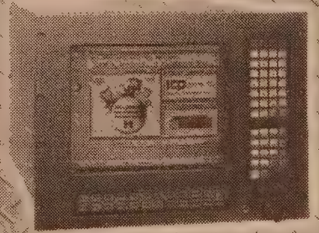
Vol. 7. 2

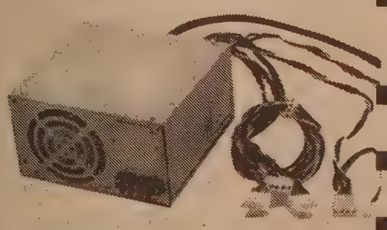


✓Full Line of Single Board Computer
✓486~Pentium Pro CPU
✓Full line of BP
✓3~20 Slots ISA/PCI Segmented, 6+8, 10+10, 5+5+5+5 and others

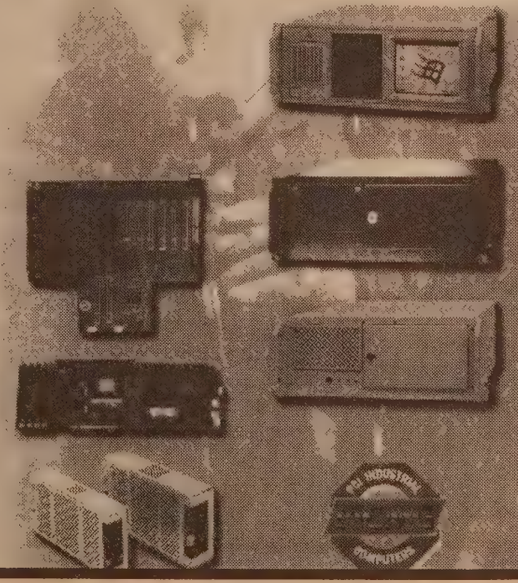
Industrial Computer Products







■85~265 VAC, -48VDC, +24VDC, +12VDC Input
■70W~350W Output
■0~55 Degree / Celsius Operating
■MTBF>20 Years



◆ 486-Pentium™ ISA/PCI SBC
◆ Industrial AC/DC Input Power Supply
◆ ISA/PCI Backplane
◆ Industrial Chassis

CE Platform Compliant

ARISE COMPUTER INC.

MasterCard

453 Ravendale Drive, Suite #F
Mountain View, CA 94043
Tel: (650) 428-0868 / Fax: (650)428-0866
http://www.arisecomputer.com
E-mail: allen@arisecomputer.com

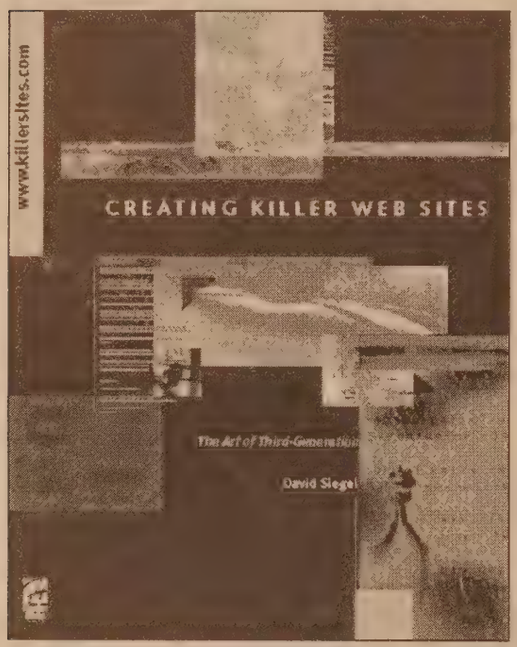
VISA

Book Reviews

Creating Killer Web Sites—The Art of Third-Generation Site Design

By: David Siegel
Published By: Hayden Books
List Price: $45
Review By: Pamela Mason

"When the techniques become obsolete, good design endures."
—David Siegel



First-generation sites, primarily gray with lots of text, often looked "like slide presentations shown on a cement wall." Second-generation sites added more graphics: icons and tiled backgrounds. First- and second-generation sites typically use the home page model to present information in a top-down hierarchical manner. Third-generation sites, however, are all about creating a look, a feel, an ambiance, to draw in an online community. And rather than a home page they often have "core pages" with an entry and exit tunnel. They are designed with themes or "metaphors" in mind. They are about raising the sophistication level to that found in traditional advertising, (and lowering it as they do, as well, complete with marketing ploys like free stuff called "fish food").

This book is about controlling the visual layout of Web pages, and emphasizing the importance of good design. It teaches the non-designer design principles and gives both designers and non-designers the tools to create well-designed Web pages, bearing in mind the woefully difficult task of performing visual design with HTML. These include excellent explanations of the single-pixel gif and invisible table tricks.

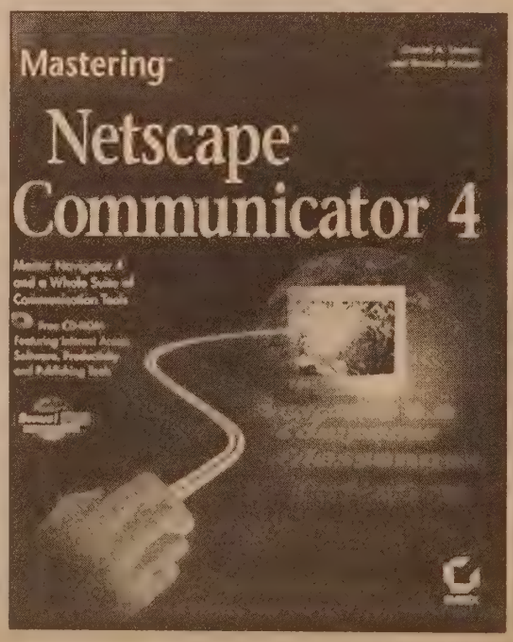
The methods and ideology put forth by David Siegel raise the aesthetic standards bar for the entire Web design community. Visit the book's Web site at *http://www.killersites.com* . (Hayden Books. 1-800-428-5331. URL: *http://www.hayden.com*)

Mastering Netscape Communicator 4

By: Daniel A. Tauber and Brenda Kienan
Published By: Sybex
List Price: $39.99
Review By: David A. Simon, CPA

Mastering Netscape Communicator 4 offers both Internet beginners and power users comprehensive coverage of Netscape Navigator 4 and the new suite of programs for communications built around it.

Netscape Navigator (often called just Netscape) has been the premiere Web browser since its first appearance. It continues today to be the most popular means of navigating the Web. Communicator includes Navigator 4 and a package of seamlessly integrated communications tools that turn the idea of a virtual organization into reality. Communicator provides email, discussion group, chat, audio conferencing, electronic whiteboarding, and push software, along with the Web browser and a very credible Web publishing tool.



This book covers the entire suite in a style that bundles both technical depth and easy accessibility. Loaded with practical, savvy advice for power users, it also offers a clear introduction for newbies. Unlike other books on this topic, it offers several chapters describing how users of standard Internet services, America Online, and other specific, popular online options can get connected using Communicator. There is also an entire chapter on sophisticated techniques for using search engines, as well as strong coverage of making secure transactions and electronic commerce truly secure.

The authors not only delve into creating a Web site using Composer, Communicator's easy-as-word-processing Web publishing component, they also provide advice on page design and publicizing the finished site.

The authors are Internet professionals and their experience shows, yet they never slip into excessive techtalk; explanations are clear, concise, and easy to understand, while coverage is complete. From navigating the Web with ease to creating a discussion group or Web site, to publishing an intranet, *Mastering Netscape Communicator 4* is a comprehensive, accessible how-to reference for a big, powerful product. (Sybex, 1151 Marina Village Pkwy. Alameda, CA 94501. 1-800-227-2346. URL: *http://www.sybex.com*)

Webmastering for Dummies

By: Daniel A. Tauber and Brenda Kienan
Published By: IDG Books Worldwide
List Price: $19.99
Review By: David A. Simon, CPA

"Webmastering" is a term that covers a lot of bases, including Web site management, design, promotion, budgeting, and content development as well as the more technical side many of us usually imagine. In *Webmastering for Dummies*, those new to the field, those considering the field, and those employed in the field will find savvy coverage of all aspects of running a Web site, from coming up with a concept to managing the expectations of company executives, to promoting the site using a variety of real world and online media. Even hiring a crack team of Web pros or getting a job as a Web pro yourself are among topics covered.

In the introduction, the authors write, "Someone might have told us when we started out [as fledgling Webmasters] that being pio-

continued on page 198

Now 2 Locations: Sunnyvale & Fremont

WeirdStuff®

www.weirdstuff.com

We Buy and Sell Excess Inventories

SUNNYVALE STORE

Visit the one of a kind WeirdStuff sealed bid sale at our Sunnyvale location.

Sealed Bid Sale is every Tuesday 9:30-6:00 Min.Bid $26

- Computer Systems
- Monitors
- Labels
- Drives
- Software
- Office Furniture
- Laptops
- Power Supplies
- Components
- Industrial Equipment
- Stereo Equipment
- Test Equipment
- Peripherals
- Printers
- WeirdStuff

Top 25 List

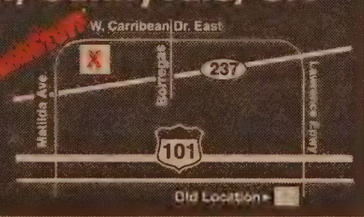
- 14" Mono VGA Monitor $29
- Hard Drives starting at $20
- 3 COM Etherlink III $29.99
- Ethernet Cable $5
- Office Chairs $20
- SVGA Monitors starting at $75
- Power Cords $2
- Complete Mac SE System $99
- Complete IBM System $99
- Memory as low as $3
- Bare-Bones 486 System w/4MB RAM $49.99
- 1.44MB Floppy Drive $12.95
- T-Shirts $3.99
- Compaq PS2 Mouse $5
- Laptops as low as $75
- Serial Mouse $3
- Computer Case w/ Power Supply $15
- IDE Controller Cards $5
- Microfiche Reader $30
- 14.4 Modems $10
- 486 Motherboards as low as $5
- Dot Matrix Printer $25
- Keyboards $5
- 50-Pak 1.44MB Floppy Disks $5
- Authentic Weird Art $30

TERMINALS ..... $49 AND UP
EQUIPMENT RACKS ..... $50 AND UP

Inventory Changes Daily!

The Original WeirdStuff Warehouse
384 W. Caribbean Dr., Sunnyvale, CA

(408) 743-5650
FAX: (408) 743-5655
Sunnyvale Store Hours:
Mon-Sat 9:30-6:00



FREMONT STORE

Top 20 List

- MS Office 95 ..... $143.56
- A.S.A.P. for 3.1/95 ..... $9.99
- QuickBooks Pro for Mac $39.99
- Masterclips 3000 ..... $9.99
- MS DOS 6.22 ..... $39.99
- MS Windows Workgroups $44.99
- Adobe Photoshop 3.0 Mac $89.99
- MS Powerpoint 4.0 ..... $19.99
- MS Encarta 96 ..... $24.99
- MS Windows 3.1 ..... $39.99
- MS DOS 5.0 Upgrade $14.99
- Full Throttle $9.99
- Packard Bell 7-CD Collection $59.99
- Win 95.com $19.99
- Lotus SmartSuite 96 ..... $69.99
- Red Hat Linux 4.2 ..... $49.99
- PC-Cillin 95 ..... $17.99
- First-Aid 95 ..... $12.99
- Netscape Navigator Mac-Win95 ..... $7.99
- EZ Language: French, German, Russian, Japanese, Italian & French ..... $9.99 Each
- DOS, PowerPoint, Borland, QuickBooks & Many More

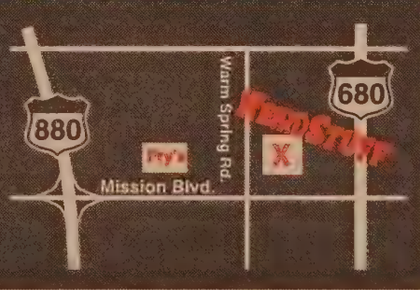
Tens of 1000's of Titles
CD-ROM & Hard-to-Find Diskettes

- Huge Selection of Hard-to-Find PC & Mac Software Titles at Fantastic Prices
- Older Versions of Your Favorite Applications: MS Word, Excel, Word Perfect, & Many, Many More
- Your Operating System Headquarters
- Linux in Many Flavors, Various Versions of DOS & Windows
- Many Titles on Floppy Disk Games, Educational & Reference Titles
- Extensive Shareware Collection
- InkJet Refill Kits

$2 Discount Table 100's of Titles

Software Store
46577 Mission Blvd.
Fremont, CA
(510) 354-6500
FAX: (510) 354-6551

Sun.-Mon. 10:00 am - 7:00 pm
Tue. - Thu. 10:00 am - 8:00 pm
Fri.-Sat. 10:00 am - 9:00 pm



MicroTimes Is Now EASIER to Find Than Ever!!

SAN FRANCISCO

•**ACTNET**
1289 21st Ave., San Francisco
(X Street: Irving)

•**CENTRAL COMPUTER**
835-837 Howard St.
San Francisco
(X Street: 4th St.)

•**COMART**
444 6th St.
San Francisco
(X Street: Bryant)

•**COMPU DATA**
22 Third St.
San Francisco
(X Street: Market)

•**DATACOM SYSTEMS**
245 Kearny St.
San Francisco
(X Street: Sutter)

•**HD COMPUTER**
232 Montgomery St.
San Francisco
(X Street: Bush)

•**HI-TECH USA**
850 Taraval St.
San Francisco
(X Street: 19th St.)

•**ITS CD**
514 Frederick St., San Francisco
(X Street: Stanyan)

•**KONICOM COMPUTERS**
1443B Noriega St.
San Francisco
(X Street: 22nd St.)

•**LAPTOP SUPERSTORE**
250 Bush St., San Francisco
(X Street: Sansome)

•**SOFTWARE CENTER PLUS HARDWARE**
501 Howard St., San Francisco
(X Street: 1st Street)

•**STAR LITE ELECTRONICS**
2121 Taraval St.
San Francisco
(X Street: 31st)

MARIN

•**BCSA COMPUTERS**
385 Bel Marin Keys, Novato
(X Street: Gali)

•**DATACOM SYSTEMS**
888 4th St., San Rafael
(X Street: Lootens Place)

•**HIQ SYSTEMS**
850 Sir Francis Drake Blvd.
San Anselmo
(X Street: 4th St.)

PENINSULA

•**BEST INTERNET COMMUNICATIONS**
421 Castro St., Mountain View
(4 blocks east of El Camino)

•**CALIFORNIA REPROGRAPHICS**
1633 Laurel St., San Carlos
(X Street: St. Francis)

•**CBM COMPUTERS**
117 W. 25th Ave., San Mateo
(X Street: west off El Camino)

•**COMPU 11**
643 El Camino Real, S. San Francisco
(X Street: Ponderosa)

•**CYPRESS COMPUTER**
1035 E. Hillsdale Blvd., Ste. 112
Foster City

•**DISK DRIVE DEPOT**
914 W. El Camino Real
Mountain View
(X Street: Arques)

•**EGGHEAD SOFTWARE**
2499 El Camino Real, San Mateo
(X Street: 25th Ave.)

•**FRIENDLY SOFTWARE STORE**
376 El Camino Real, San Carlos
(X Street: Holly)

•**HI-TECH USA**
111 E. 5th Ave., San Mateo
(X Street: S. San Mateo)

•**HI-TECH USA**
441 El Camino Real, Menlo Park
(X Street: Middle Ave.)

•**IBI COMPUTERS**
551 Foster City Blvd., Suite N
Foster City
(X Street: Hillsdale)

•**IQ INFOQUEST**
4500 El Camino Real, Los Altos
(X Street: San Antonio)

•**LAITRON COMPUTER**
39 El Camino Real, Millbrae
(X Street: Millbrae Ave.)

•**NOVA HARDWARE**
1688 Gilberth, Burlingame
(X Street: Malcolm)

•**STARLITE ELECTRONICS**
1161 Chess Dr., Suite D
Foster City
(X Street: Foster City Blvd.)

•**UMIRACLE MICROSYSTEMS**
1501 El Camino Real #E, Belmont
(X Street: Habor)

•**W & K**
132 Hazelwood Dr.
S. San Francisco
(X Street: El Camino Real)

SOUTH BAY—WEST

•**AMERICAN COMPUTER RESEARCH**
1001 S. DeAnza Blvd., San Jose
(X Street: Bollinger)

•**AROMA COMPUTER**
470 Lakeside Dr., Sunnyvale
(X Street: Oakmead)

•**CENTRAL COMPUTER**
3777 Stevens Creek Blvd.,Santa Clara
(X Street: Saratoga)

•**CUPERTINO COMPUTER**
10675 S. De Anza Blvd.,Cupertino
(X Street: Bollinger)

•**DISK DRIVE DEPOT**
500 Lawrence Exp., Sunnyvale
(X Street: Arques)

•**HALTED SPECIALTIES**
3500 Ryder St., Santa Clara
(X Street: Central Exp.)

•**HD COMPUTER**
988 Walsh Ave., Santa Clara
(X Street: Lafayette)

•**HIQ COMPUTERS**
740 N. Mary Ave., Sunnyvale
(X Street: Maude)

•**HI-TECH USA**
730 E. El Camino Real, Sunnyvale
(X Street: Wolfe Rd.)

•**HKG COMPUTERS**
448 E. El Camino Real, Sunnyvale
(X Street: Fair Oaks)

•**JDR MICRODEVICES**
1238 S. Bascom Ave., San Jose
(X Street: Stokes)

•**KINGSTAR COMPUTERS**
855 Kifer Rd. #B, Sunnyvale
(X Street: Central Exp.)

•**LAPTOP SUPERSTORE**
3607 El Camino Real, Santa Clara
(X Street: Lawrence Exp.)

•**MICRO-SONIC COMPUTERS**
3052 Scott Blvd., Santa Clara
(X Street: Space Park)

•**MICRO-SONIC COMPUTERS**
14530 Camden Ave.,San Jose
(X Street: Leigh)

•**MONITOR EXPRESS**
530 Lawrence Exp., Sunnyvale
(X Street: Arques)

•**NCA COMPUTER PRODUCTS**
1202 Kifer Rd., Sunnyvale
(X Street: Lawrence Exp.)

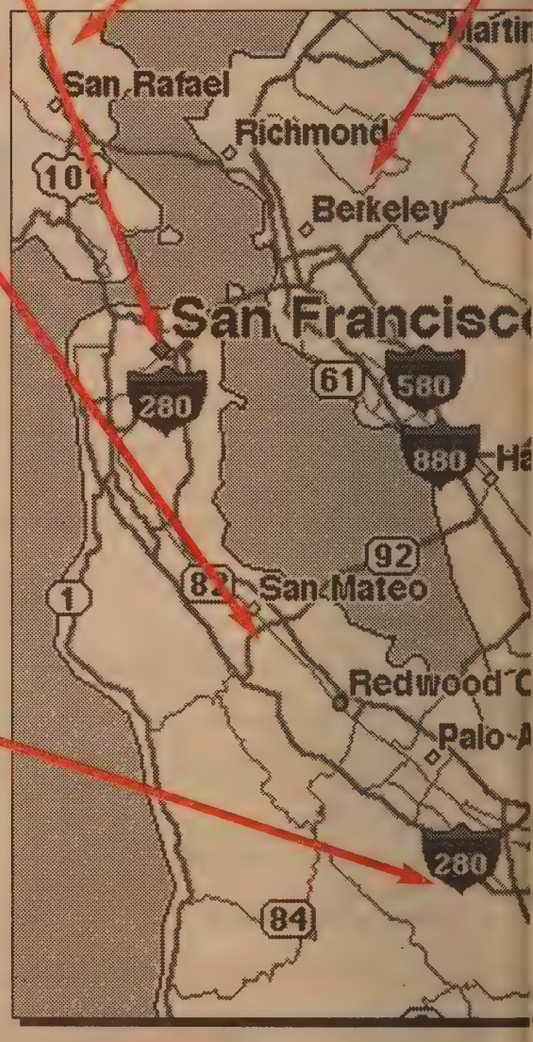
•**RIGHT TEC INC.**
3069 Lawrence Exp., Santa Clara
(X Street: Central Exp.)

•**SYMPHONY COMPUTER**
18576 Prospect Rd., Saratoga
(X Street: Lawrence Exp.)

•**TRUE COMP AMERICA**
1264 S. Bascom Ave., San Jose
(X Street: Stokes)

•**T-ZONE**
1190 Kern Ave., Sunnyvale
(X Street: Lawrence Exp.)

•**WEIRD STUFF WAREHOUSE**
384 W. Caribbean Dr., Sunnyvale
(X Street: Mathilda Ave.)



Or Call for a "Super S Close to You!

Check Out These New "SUPER STOP" Locations for a Location Near You!!

"Super Stops" Are Restocked Frequently with Copies of MicroTimes for Your Convenience!

ALAMEDA COUNTY–NORTH

•**COMPUTERSOURCE**
518 San Pablo Ave., Albany
(X Street: Brighton)

•**DJ COMPUTER**
926 San Pablo Ave., Albany
(X Street: Solano)

•**HI-TECH USA**
2318 Shattuck Ave., Berkeley
(X Street: Bancroft Way)

•**MAC**
2010 Shattuck Ave., Berkeley
(X Street: University)

•**MERCURY COMPUTER**
1733 Broadway, Oakland
(X Street: 17th)

•**PC TEN**
4237 Piedmont Ave., Oakland
(X Street: Pleasant Valley Way)

•**UC COMPUTERS**
2569 Telegraph Ave., Berkeley
(X Street: Dwight)

•**UMIRACLE**
1035 San Pablo Ave., Albany
(X Street: Main)

CONTRA COSTA COUNTY

•**AIM COMPUTER**
1819 Willow Pass Rd., Concord
(Across from Park & Shop)

•**CAC**
3022 Giant Road, San Pablo
(X Street: Richmond Pkwy.)

•**COMPUMART**
1320 S. California, Walnut Creek
(Next to Strouds)

•**EVERGREEN**
2700 Rydin #C, Richmond
(X Street: Central Ave.)

•**HD COMPUTER**
10005 San Pablo Ave.
El Cerrito
(X Street: Fairmount)

•**LAITRON COMPUTER**
508 Contra Costa Blvd.
Pleasant Hill
(X Street: 2nd Ave.)

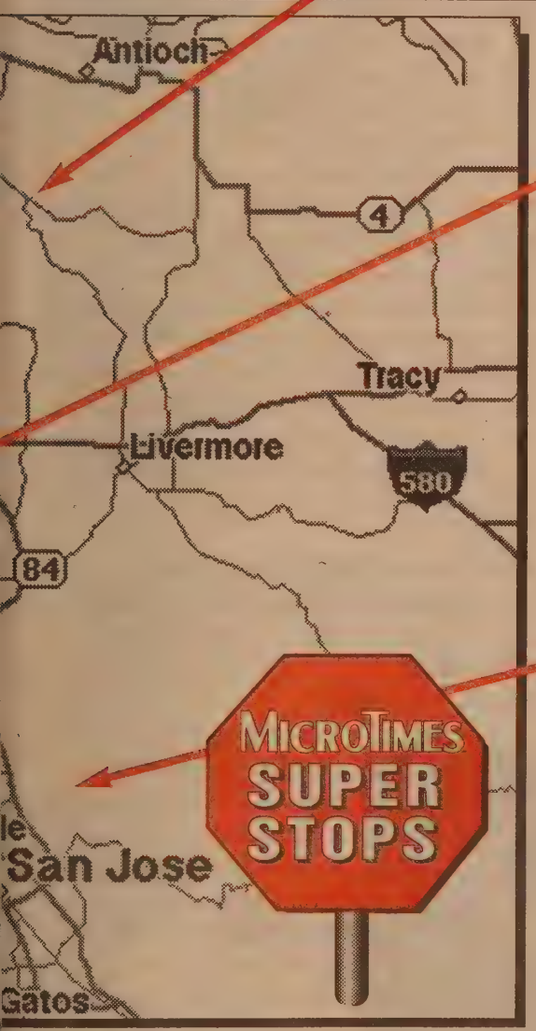
•**NORDIC COMPUTERS**
2438 San Ramon Valley
San Ramon
(X Street: Crow Canyon)

•**NORDIC COMPUTERS**
560 Commercial Cir. #A
Concord (X Street: Bates)

•**NORDIC COMPUTERS**
1987 N. Main St.
Walnut Creek
(X Street: Ygnacio Valley Rd.)

•**PARAMOUNT COMPUTER**
1630 Contra Costa Blvd. #D
Pleasant Hill
(X Street: Doray)

•**PERFECT SOLUTION**
10032 San Pablo Ave.
El Cerrito
(X Street: Central Ave.)



ALAMEDA COUNTY–SOUTH

•**COMP EXPRESS**
38495 Fremont Blvd., Fremont
(X Street: Mowry)

•**COMTEK COMPUTERS**
6602 Dublin Blvd.
Dublin
(X Street: Hopyard)

•**GOLDEN MICRO**
46560 Fremont Blvd., Suite 408
Fremont
(X Street: Warren)

•**LAITRON COMPUTER**
24901 Santa Clara St., Hayward
(Gateway Shopping Center)

•**LAITRON COMPUTER**
4847 Hopyard Rd., Pleasanton
(X Street: Stoneridge)

•**NCA COMPUTER PRODUCTS**
40521 Albra St., Fremont
(X Street: Stevenson)

•**PARS INTERNATIONAL**
22445 Foothill Blvd., Hayward
(X Street: A Street)

•**SOFT SOLUTIONS**
6997 Dublin Blvd., Dublin
(X Street: Hopyard)

•**UMIRACLE**
44063 Fremont Blvd., Fremont
(X Street: AutoMall)

•**USM**
43104 Christy St., Fremont
(X Street: AutoMall)

•**WEIRD STUFF SOFTWARE**
46577 Mission Blvd., Fremont
(X Street: Warm Springs)

SOUTH BAY–EAST

•**AMERICAN MULTISYSTEMS**
1830 Houret Ct., Milpitas
(X Street: Montague Exp.)

•**ART MULTIMEDIA SYSTEMS INC.**
424 S. Main St., Milpitas
(X Street: Serra)

•**BENITEK COMPUTERS**
1671B N. Capitol Ave., San Jose
(X Street: Hostetter)

•**CHICOTEC**
542 W. Trimble Rd., San Jose
(X Street: Hwy 101)

•**COMPUTER LITERACY**
2590 N. 1st St., San Jose
(X Street: Trimble)

•**HERBS DISCOUNT SOFTWARE**
675 E. Brokaw Rd., San Jose
(X Street: Hwy. 880)

•**HI-TECH USA**
1558 & 1562 Centre Pointe Dr.
Milpitas
(X Street: Montague Exp.)

•**LAITRON COMPUTER**
1550 Montague Exp., San Jose
(X Street: Old Oakland Rd.)

•**LAITRON COMPUTER**
1080 Blossom Hill Rd. #D, San Jose
(X Street: Almaden Exp.)

•**MONITOR EXPRESS**
689 East Brokaw Rd., San Jose
(X Street: Junction)

•**NCA COMPUTER PRODUCTS**
962 Blossom Hill Rd.,
San Jose
(Across Oakridge Mall)

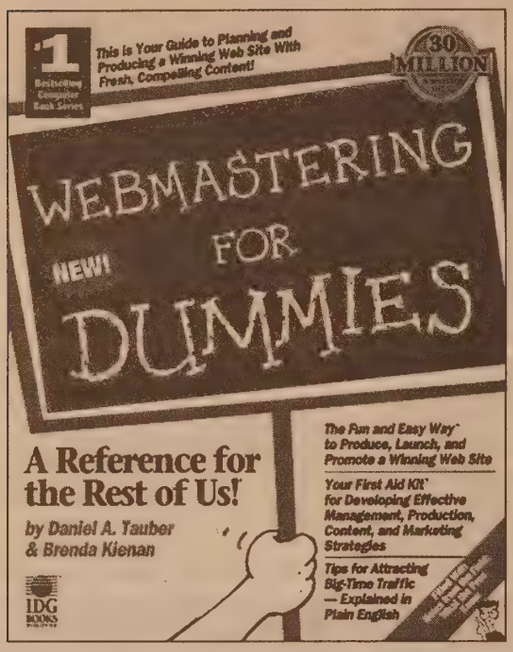
•**PIXEL USA**
810 S. Bascom Ave., San Jose
(X Street: 280 Fwy.)

•**WORLD NET**
1503 N. Milpitas Blvd., Milpitas
(X Street: Dixon)

MicroTimes
' Location
510-768-1200

MicroTimes™

Product Reviews *continued from page 194*


#1 Bestselling Computer Book Series
This is Your Guide to Planning and Producing a Winning Web Site With Fresh, Compelling Content!
30 MILLION
WEBMASTERING
NEW!
FOR
DUMMIES
A Reference for the Rest of Us!
by Daniel A. Tauber & Brenda Kienan
The Fun and Easy Way to Produce, Launch, and Promote a Winning Web Site
Your First Aid Kit for Developing Effective Management, Production, Content, and Marketing Strategies
Tips for Attracting Big-Time Traffic — Explained in Plain English
IDG BOOKS

neers means walking across the continent behind a wagon, dodging oxen poop and never being quite sure you're headed in the right direction." This book is in fact a roadmap for Webmasters of all kinds, based on the experience of these two Internet professionals and a host of others they interviewed during the writing of the book. Don't let its title fool you, this book is not for the unintelligent—it s a meaty strategy guide, written with accessibility and humor.

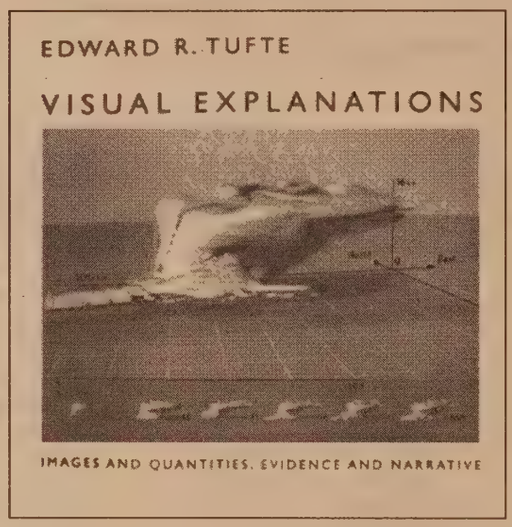
Filled with both enthusiasm for the topic and a healthy skepticism that will help readers focus on practical matters, the book provides strategy after strategy for creating and running a Web site that will fulfill its intended goals, attract the traffic it deserves, and stay fresh, compelling, and successful. Whether the goal of your Web site is to promote a company or product, sell something, offer information to or entertain the public, or simply amuse yourself and friends, you'll find that *Webmastering for Dummies* steers you in the right direction and helps you avoid many pitfalls along the way. (IDG Books Worldwide, 19 E. Hillsdale Blvd. Ste. 400, Foster City, CA 94404. 1-800-762-2974. URL: *http://www.idgbooks.com*)

Visual Explanations: Images and Quantities, Evidence and Narrative

By: Edward R. Tufte
Published By: Graphics Press
List Price: $45 (postpaid)
Review By: Anna Couey

Edward R. Tufte's third book on visual information design is a beautifully produced, engaging and practical guide on how to effectively communicate complex ideas with images. As with Tufte's earlier books, *Visual Explanations* analyzes functional information design across a breadth of disciplines and media: scientific diagrams and charts, maps, visual art, magic, and multimedia design.

Tufte approaches visual information design from a pragmatic perspective, with a healthy disdain for the all-too-common belief that images serve simply to decorate content. In *Visual Explanations*, Tufte demonstrates ways



that visual images can be used to explain concepts or reveal data that would be confusing to describe with linear media, such as text, speech, or television. Just as useful, he illustrates how over-design or visually ambiguous presentation techniques can obscure information, with sometimes disastrous effects.

One example that Tufte uses to illustrate the dangers of bad design is the January 1986 Challenger rocket launch. While acknowledging the role of, as he puts it, "cultural factors," Tufte focuses his analysis on how the failure to communicate crucial data contributed to the death of seven people. Specifically, he looks at the design of the charts and logs that Challenger project engineers sent to warn NASA officials it would be highly dangerous to launch the rocket in cold weather. The documents did indeed contain data that proved a clear correlation between cold weather and O-ring damage, however, their design rendered the evidence all but invisible. As a result, NASA officials remained unconvinced of the risk and proceeded with the launch as scheduled. Within seconds the Challenger exploded due to the impact of cold weather on O-rings, killing its passengers.

The Challenger story underscores the importance of conveying information clearly—to communicate and enhance understanding, rather than to hinder it (unless, as Tufte points out, you are a magician). In fact, Tufte devotes a chapter of *Visual Explanations* to the techniques magicians use to obscure or distract audiences so that they perceive the magicians' illusion rather than the actual trick—a valuable summary of how not to design information.

Visual Explanations is a fascinating read for anyone who uses information to better understand how the presentation of information can reveal or conceal meaning. It is an essential tool for Web designers, interface designers, graphic artists, visual artists, statisticians, scientific researchers, public speakers, storytellers, and others to sharpen their techniques for effective and accurate communication. (Graphics Press, P.O. Box 430, Cheshire, CT 06410. 203/272-9187 1-800-822-2452)

The Global Media: The New Missionaries Of Global Capitalism

By: Edward S. Herman and Robert W. McChesney
Published By: Cassell
List Price: $19.95
Review By: Michael Robin

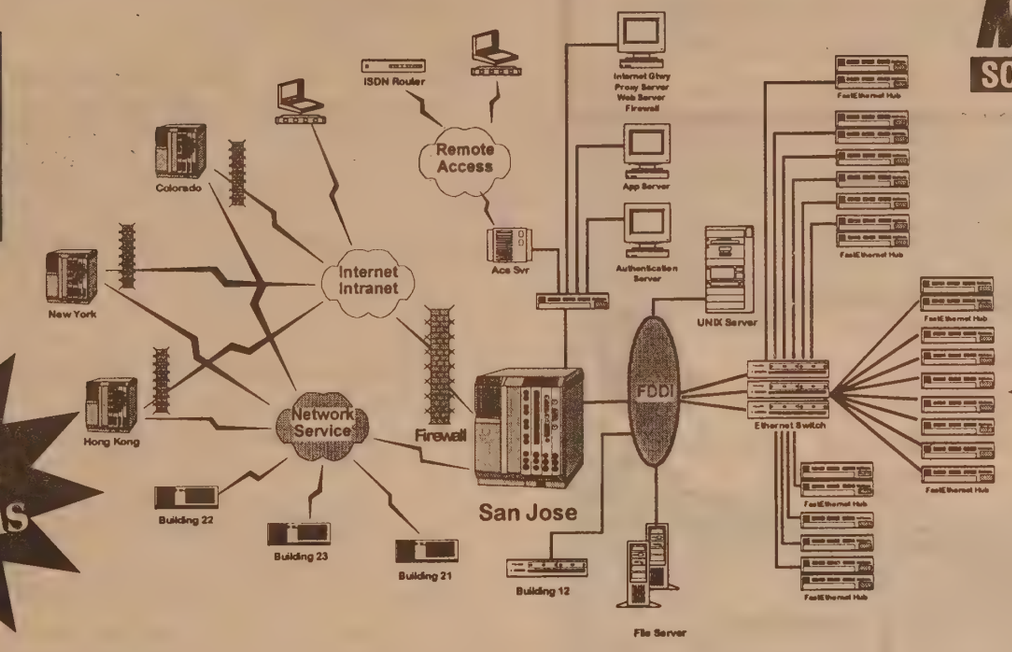
The mass media are a major collective source of information and images, and as such serve numerous personal and social needs. On a personal level, they inform and entertain; on a social level, they help create links and common understandings among people and play a central role in the workings of democracy.

Since the early '80s, the mass media industries—publishing, radio, television,

YOUR ONE STOP SOLUTION
SINCE 1987

Novell Authorized Service Center

Microsoft® SOLUTION PROVIDER



Free Needs Analysis

Migration Specialist From Novell to NT

Novell • UNIX • NFS • TCP/IP • Mac • Windows NT
Switch Router Server • PC • JukeBox Printer
Internet Gateway • Remote Access • Modem Pool
ISDN • Frame Relay • T1 • SMDS • ATM • FDDI
FireWall Database • GroupWare Security

3Com IBM Cisco Systems Hewlett-Packard Novell Compaq

Authorized Service Center
System Design • Installation • Training • Maintenance
Application Development

Bay Networks Ascend IBM Novell Compaq Tektronix Hewlett Packard US Robotics digital 3Com Cisco Systems Apple NEC

intel®
Express 10/100 FE Switch
8-10/100 SW
2 Additional Slots for 100-TX/FX
4096 MAC Addresses
Configurable for full or half duplex
$2125

intel®
Express 10 Switch+
Layer 3 switching increase network performance
Adaptive Technology for maximum performance
Built-in 100BTX connectivity
Supports 9RMON groups on a per-port basis
$2609

intel®
Express Router 9100
1 Lan port & up to 2 WAN ports
IP/IPX/PPP/PAP/CHAP
Supports Frame Relay, X25, PPP, LAPB, Leased Line (TI/EI)
Internet VPN Support
$895

intel®
Express 10/100 Stackable Hubs
2 expansion slots
Allows 10 and 100Mbps operation in a single, managed stack
$1635

intel®
Netport Express Print Server
Network printing at either 10 or 100Mbps
3-port print server
Easy to manage with NetPort Manager
$385

intel®
LANDesk Workgroup Manager
Manages Intel architecture-based PCs and Servers
Control and solve problems with minimal training
Manages DOS, Windows 3.x, 95, NT workstations that log into NetWare or NT
Single License (25 nodes)
$1659

3Com®
Switch 3000
8-100 Only SW
1 Additional Slot for 100BT or ATM
4080 MAC Addresses
SNMP and RMON2
Support redundant PS
$2059

3Com®
DeskTop Switch
24-10SW 1-100Upink
1 Additional Slot for 100BT or ATM
SNMP and RMON2
Support redundant PS
$1645

3Com®
Switch 140
4-10SW 1-100Uplink
Great Segmentation for Small Network to Share 100BT Resource
$789

Cisco Systems
Switch 2926
24-10/100 & 2-100SW
1.2G Backplane Bus
16000 MAC Addresses
1000 VLANs
Spanning Tree
SNMP & RMON (ebd)
Support redundant PS
$8000

Cisco Systems
Switch 1422
24-10SW Hybrid with 8-100 (1-SW-Segment)
2 Slots (1 used here) (100BTX/FX SW 8-100BTX, 4-100BFX)
1,024 MAC Addresses
SNMP & RMON (ebd)
$5117

Cisco Systems
Switch 1900
24-10 & 2-100SW
1G Backplane Bus
Spanning Tree
SNMP & RMON (ebd)
Support redundant PS
$3140

NETWORK ASSOCIATES CORPORATION
SINCE 1987
SUNNYVALE: 408-733-2600 • FREMONT: 510-249-2100
FAX: 510-249-2121 • e-mail: sales@nac.com

UNIVERSAL
COMPUTERS, INC.
1-800-621-1963 Tel:(818)-786-8150
Fax:(818)787-2111
www.universalcomputers.com
e-mail:usales@universalcomputers.com
Leasing/Best Rates PFO CAPITAL
Super Discount Source of Computers, Accessories & Peripherals
TOSHIBA T-510CDT P133, 12.1" TFT, 28.8Fax 16/2.1GB, 10xCD $2,345
APPLE PB.3400C/200 $2,695 603e/200, 12.1" TFT 16/2GB, CD
LACIE CD Recordable
2x6 CD-R $379
4x6 CD-R $559
2x6 CD-R W $649
TOSHIBA DVD
Diamond DVD Ext./DVD Ext. $389/359
WACOM Graphic Tablets
ArtPad II 4x5/ArtZ II 6x8 $119/259
ArtZ II 6x8"/12x12" $195/295
" 12x18"/12x18 Electro" $379/449
LOG CDR Media 74Min., 650MB
10 Pack $24
100+ Spindle $1.49
1000+ $1.29
GLOBAL VILLAGE COMMUNICATION Fax/Modem
56KX2 Int.PC $109
56KX2 Ext.PC $119
56KFlex PCMCIAMac $249
56KFlex TeleportMac $149
SOFTWARE
Photoshop 4.0
Illustrator 7.0
PageMaker 6.5
QuarkXpress 4
Freehand 7.0
Painter 5
MS Office 4.2.1
MS Office 97 Pro
MS Excel 97 $159
MS Word 6.0.1 $149
MS Word 97
Lotus Smart Suite 97
Color Displays
COMPAQ 171FS 17" $465
AGFA Arcus II $149
e307 Photo $275
ePhoto 1
UMAX Scanners The Magic of Color
UC-840, 800 dpi $149
Astra 600S $155
Astra 1200S $279
UC1200SE $269
PowerLook II $1259
5VGA 28 dpi 1200x1600 110-220V Clr Flat Screen
1525 15" /V70 17" SVGA $285/529
ViewSonic G810, 21" 25DPI $1095
NEC SONY All Models In Stocks!
Multiple Scan Color Monitors
15" AV /1710, 17" $349/645
1705, 17"/750 17" $499/745
850 20"/20" $1399/$1145
HEWLETT PACKARD Printers Blowout
LaserJet 5MP 600dpi, 6ppm, 3MB. PS 1 Year Warranty $625
NEW LaserJet 4000/4000N/4000T 17PPM, 1200dpi $1095/1395/1249
LaserJet 5/5SE/5L/5M/5N/5P $1049/1095/285/1549/1295/485
LaserJet 4V/4MV/5MP*/6P $1695/2495/525/689
DeskJet 1600C/1600CM/870CXi/855CXi $1095/1645/305/275
Storage Quantum
810MB /1.08GB 2.5" $109/149
2.1GB/3GB 2.5" $219/365
Zip / Zip Plus Drive $137/189
Jaz / Jaz II Drive $369/639
Jaz 3 pack/Zip10 pack Crtrdg. $239/109
Stratus 2.1GB SCSI II $239
Atlas 2.1GB SCSI II / SCSI III $399/425
Atlas II 4.5GB SCSI II / SCSI III $569/585
Atlas II 9GB SCSI II / SCSI III $879/899
IBM 4.3GB SCSI II 5-year Warranty $339
Memory Competitive Prices on Simm & Dimm modules for PC & MAC
Prices reflect Cash Discount Orders & subject to Price Sales & Change W/O Notice! Factory reconditioned w/warranty Micro#112697 III

Product Reviews *continued...*

film, and communications—have experienced a dramatic restructuring and concentration of ownership through mergers, acquisitions, and new technologies. As a result, we have seen an increasing commercialization of media around the world, a shrinking support for public sector media, and the breaking down of the barriers between media sectors.

Edward Herman and Robert McChesney chronicle the growing concentration of media ownership in *Global Media*, in an effort to contribute to our understanding of the "effects of the globalization of the media, while pointing up alternative and arguably more democratic media structures and policies." The book addresses questions such as: How has the commercial media system around the world changed over the past decade? How have these changes shaped the direction and content of local media in much of the world? How do new communication technologies, such as the Internet, impact the development of mass media concentration? And, what is the impact of a new global media system upon democracy—people's participation in public affairs and understanding of public issues?

After presenting a historical overview of the development of various media around the world such as telephone, film, and radio, Herman and McChesney document the growth of a newly integrated global commercial media market in the '90s. In particular, this system is characterized by "a concentration of media power in organizations dependent on advertiser support and responsible primarily to shareholders." For example, mass media around the globe is dominated by ten, mostly US-based, conglomerations—Time Warner, Disney, New Corp., Bartelsmann, Viacom, TCI, PolyGram (owned by Philips), NBC (owned by General Electric), Universal (owned by Seagram), and Sony. Increasingly, these companies control the selection, production, and delivery of content.

While much of this book focuses on traditional media, McChesney's chapter on "Global Media, the Internet, and the Digital Revolution," examines today's new media—the Internet and other digital communication technologies—in the historical context of older media as well as looking at the convergence of today's media and telecommunications industries. He writes that "in the current political climate it is likely that the global media firms will be able to incorporate the Internet and related computer networks into their empires, while the egalitarian potential of the technology is minimized." For instance, more and more of what is on the Web has been commercialized and shaped by technologies that replicate the paradigm of broadcast television.

Clearly, we are still at the beginning of the digital era as well as experiencing a sense of euphoria of the market in a post-Cold War world. As McChesney points out, predictions as to how the future of mass media will unfold are problematic. However, it is critically important to understand the historical experiences and contemporary patterns of previous new media to gain a better understanding of the influences upon today's new media of telecommunications. Herman and McChesney do an excellent job gathering, organizing, and presenting a wealth of information as they uncover these trends. (Cassell, P.O. Box 605, Herndon, VA 20172. 1-800-561-7704. Email: *100321.2277@compuserve.com*) ■

Advertise in MicroTimes Classifieds and Let Us Help Your Business GROW. We Offer Advertisers:

MicroTimes CLASSIFIEDS

- **Over 128,000 Copies Distributed in Northern California**
- **A Range of Sizes and Prices to Meet Your Needs**

With MicroTimes Classifieds, Find What You Need FAST. We Offer Computer Consumers:

- **Over 200 Advertisers to Choose From**
- **Convenient Organization by Category for Quick Comparison**
- **Hard-To-Find Specialty Services**
- **Great Deals on Hardware, Software, and Accessories**
- **Career Opportunities**

Accessories 210
Bar Coding 210
Business Opportunities 210
Career Marketplace –
General 220
Career Opportunities . . . 220-221
Training 220-221
Cartridge Refill 210
Consultants' Network –
General 218-219
LAN 218-219
Programming 218-220
Video Processing 220
Data Conversion 210
Data Recovery 210-211
Duplicator Hardware 211
Engineering 211
Graphic Design 210-211
Hardware 211-212
Hardware Wanted 212-213
Internet/Web 212-214
Internet Adult 213
Invetigative Services 215
Media Duplication 213-214
Memory 215
Monitors For Sale 215
Printer & Computer Supplies . . 214
Personals 215
Repairs 215-218
Software 218

Deadline

for insertion in the December 15th issue is noon on Monday, November 24th, 1997.

Call Toll-Free: 888-678-8479

HOW TO PLACE YOUR CLASSIFIED AD

MINI DISPLAYS
1 column unit = 1-1/4"(w) x 3/4"(h). $60 per column unit for digitally supplied art. We also offer production and design services.

COLOR
Full color is now available for classified advertisements. Prices vary based on ad size and number of colors.

BUSINESS ADS
Rates are $20 for the first 15 words, $1 for each additional word. A centered, bold headline is available for just $10 more — really get their attention!

CATEGORIES
Choose the classification that best describes your product or service, or create a category specific to your needs.

FREQUENCY DISCOUNTS
Ask us about discount rates for multiple insertions.

CATEGORIES
- ❍ Accessories
- ❍ Bar Coding
- ❍ Bulletin Boards
- ❍ Business Opportunities
- ❍ Capital Available
- ❍ Cartridge Refill
- ❍ CD-ROM
- ❍ Data Conversion
- ❍ Data Recovery
- ❍ Duplicator Hardware
- ❍ Finance
- ❍ Hardware for Sale
- ❍ Hardware Wanted
- ❍ Instructional Videos/ CD-ROMs
- ❍ Other_____
- ❍ Internet
- ❍ Internet–Adult
- ❍ Media Duplication
- ❍ Memory
- ❍ Personals
- ❍ Repairs
- ❍ Services
- ❍ Software
- ❍ Training

Consultants Network
- ❍ Business
- ❍ General
- ❍ LAN/Networking
- ❍ Programming

Career Marketplace
- ❍ Employment Services
- ❍ Jobs Offered

Ad Copy: _____

Cost of Ad_____ x Number of Issue(s) to Run_____ = Amt. Enclosed _____

❍ Check/MO ❍ MasterCard/Visa Card # _____ Exp. Date _____

Name _____

Address _____

City _____ State_____ Zip _____

Phone_____ Fax _____

MicroTimes Classifieds • 1300 Clay Street • Suite 820 • Oakland, CA 94612

PLACE YOUR ORDER TOLL-FREE BY CALLING 888-678-8479

CLASSIFIED ADVERTISING SECTION

ACCESSORIES

New Pentium Computers from $100
Win FREE Prizes
New Refurb Surplus
Auction
www.auctionboard.com/mtn

BAR CODING

BAR CODE • OCR • AUTO ID
From *DATA ID* Systems™
Serving your System's needs since 1982 in the Western U.S.

- BATCH-CHECK READERS
- BAR-CODE PRINTERS
- ASSET TRACKING
- WEDGE READERS
- LASER SCANNERS
- LABELS & RIBBONS
- TRAKKER RENTALS
- BAR-CODE VERIFIERS
- SYSTEMS INTEGRATION
- WANDS & CCD SCANNERS
- BAR-CODE & OCR READERS
- ASSET-TRACKING CLASSES
- BAR-CODE PRINTING SOFTWARE
- HAND-HELD PORTABLE READERS

caere DATAMAX Intermec Metrologic MICROSCAN Opticon Panasonic PERCON PSC PSION SEAGULL SCIENTIFIC SYSTEMS StrandWare symbol Zebra

800-632-8243
Fax (408) 354-9533
DATA ID Systems™
Your Guide in the Bar Code Jungle®
Distribution Nationwide

BARCODE SOLUTIONS

Increase productivity and efficiency. Call
1-800-562-2726
for information

Windows and DOS application software
Time & Attendance ■ Work-in-process
Barcode readers ■ Scanners
Printers and accessories

vidya data systems
ph# 415.661.7780 fax# 415.661.7782

CD DUPLICATION

EuropaDisk
In-House, Full Service Manufacturing
Disks With No Risk
Why deal with brokers when you can work directly with our factory and save? Fast-turn work is our specialty.
CD-ROM Replication • CD Glass Mastering
Silk-Screening for CD-R • Graphic Design & Printing
EUROPADISK, LTD. West Coast: (800) 282-3212 East Coast: (800) 455-8555

DATA RECOVERY

Emergency Services Available
Ontrack®
THE WORLD LEADER IN DATA RECOVERY SERVICES

- ONTRACK can recover data lost due to: data corruption, mechanical failure, electrical surge, human error, virus infection, water and fire damage.
- Expertise in virtually every operating system & media storage device.
- ONTRACK now has a full-service data recovery facility in San Jose & Costa Mesa!

1.800.872.2599
www.ontrack.com
940 South Coast Drive, Suite 225, Costa Mesa, CA 92626 • 714.8410530
2001 Gateway Place, Suite 750 West, San Jose, CA 95110 • 408 573 9592
©1997 Ontrack Data Recovery, Inc

BAR CODING

Just Plug & Scan! No Software Required!

Stainless steel wand equipped with 2" by 1" compact decoder. Features sound indicator for a good read, low power consumption and is fully programmable. Plugs in keyboard or RS232 port. Perfect for office environment.

BAR CODE PEN READER

$145

BAR CODE CCD SCANNER

$195

Just point and click! No contact necessary. Fast and accurate. Features built-in decoder, light and sound indicators. Ideal for heavy use in fast-paced environments. Interface to PC, MAC, WYSE, DEC and other terminals.

Plugs in keyboard or RS232 port. Auto discriminates popular barcodes. Light and sound indicators. Choice of infrared or visible light. Ideal for reading ID's of students, employees, and club members.

BAR CODE BADGE READER

$195

MAGNETIC CARD READER

$195/245

Connects via keyboard or RS232 port. Compatible with IBM PC XT/AT and PS2. Features bi-directional swipe and read capability, sound indicator for good or bad read. Choice of dual tracks (read credit card) or triple tracks (read driver's license).

PORTABLE DATA COLLECTOR

$595

- Create your own inventory counting programs
- 4x20 LCD display, 36-key alpha-numeric keypad
- Use with wand, CCD, magnetic, slot & laser reader
- Use 3AA batteries or power adapter
- Upload/download data to/from your computer

PACKET SIZE INFRARED WIRELESS PORTABLE W/SCANNER BUILT-IN
$1995

- 30-Day Money-Back Guarantee
- One-Year Warranty
- Volume Discount Available
- VISA/Master Card Accepted
- Call for Dealer Prices

BARCODE PRINTING S/W — $145
• works with Win 95, Word 7, or 97
LASER GUN SCANNER — $395
• read all popular barcode symbologies
MAGNETIC ID CARD ENCODER — $795
• make or duplicate your own employee ID card
• free communication software
TIME CLOCK SYSTEM SOFTWARE — $495
• for employee clock in & out
• comes with ID badge reader

1-888-BAR-7250
BARCODE TECHNOLOGIES INC. (408) 956-9971/FAX: (408) 956-0506
1619 South Main Street, Milpitas, CA 95035

DATA CONVERSION

COMPUTER DISK & TAPE CONVERSIONS
Micros • Minis • Mainframes
Floppies, CDs, 1/2" & Cartridges
DATA CONVERSION SERVICES
800-327-0330

DataTek CONVERSION SYSTEMS
We Convert From:
Magnetic Tape Reels
Cartridges, Diskettes
MO's, CD's
to all formats...
3435 Cerritos Ave., Los Alamitos, CA 90720
(562) 430-0048
Fax: (562) 430-4127
(800) 422-0307
http://members.aol.com/converter9

DATA RECOVERY

DRIVE REPAIR & DATA RECOVERY
SYST. SERVICES & UPGRADES
MAC, IBM, COMPAQ, DOS, NOVELL, SUN, UNIX, LAN, OS/2 & MORE.
ON-SITE SERVICES, FREE ESTIMATE, LOW RATE
DATA RECOVERY TECHNOLOGY
5029 Stevens Creek Blvd., Santa Clara, CA 95051
TEL. 408-249-1986 • FAX. 408-249-1987
888-511-DATA

Data Recovery in hours.

- Over 10 years of experience with clients worldwide including Apple, NASA, & FedEx.
- We've recovered more than Half-a-million megabytes of lost data.
- You only pay when there's a successful recovery.
- Call 24 hours a day.

LAZARUS DATA RECOVERY
Working at the Speed of Business.
800-341-DATA
415-495-5556 • FAX 415-495-5553 • RESTRICTIONS MAY APPLY
381 Clementina Street • San Francisco, California 94103

BUSINESS OPPORTUNITIES

Personal Computer Owners can earn $1,000 to $5,000 monthly selling simple services p/t. Get FREE list of 100 best services. Call Toll Free: 1-800-714-2332 ext.117

Accelerate your Macintosh. Onsite memory, cache, processor, upgrades and system optimization. Double the speed and speed of your Power Mac starting at $299. 408-945-1368 facilicm.com Bret Harris 2094 Ashwood Lane San Jose, CA 95132

BIG MONEY with the Internet! No experience? No computer? NO problem! For details see: http://www.mbmorse.com/21080/broker.html or Call toll free 1-888-237-0036 for FREE information by mail.

We can help you design an ad that WORKS! MicroTimes Classifieds: 510-768-1200

CARTRIDGE REFILL

Laser & Copier Toner Cartridges Remanufactured. HP, Apple, IBM, Xerox, Others. Sharp, Canon, Xerox Copiers. Sale!! HPII, III with NEW DRUM: $39.95. CLEMENT ENTERPRISES 1-800-974-8789.

Great Business Relationships start in the MicroTimes Classifieds. Call Sam Louis 510-934-3700 ext 217.

DATA CONVERSION

DATATEK CONVERSION SYSTEMS—We convert from Magnetic Tape Reels, Cartridges, Diskettes, MOs & CDs to all formats. Fast, professional service. Call: 800-422-0307, http://www.members.aol.com/converter9

GRAPHIC DESIGN

Jim Bayes Graphic Design Desk Top Publishing. Digital Prepress. From Concept to Finished Product. Brochures, Business Cards, Packaging, ect. . . . For more info call: 415-460-1983 fax: 415-460-1983 E-mail: JPPBB007@AOL.COM

HARDWARE

Novell Network (Netware) System 3.11 server (10 User) 3 stations, all Pentium, printer, scanner, modems, and laptop included. $7,000 or best offer. Call David or Shirley @ 510-658-7163.

DATA RECOVERY

DATA RECOVERY

Lost your data? Don't panic, CALL!

✓ 24-Hour **800-886-2231** ✓ Priority

✓ Weekend *No Data... No Charge* ✓ On-site

- DOS
- Windows 95 & NT
- Mac
- Novell
- UNIX
- OS/2
- Virtually all operating systems
- Competitive prices
- Clean-room facilities

visit our Web site **www.datamechanix.com**

DATA MECHANIX 18271 McDurmott, Suite B, Irvine CA 92714
Telephone: 714-263-0994 Facsimile: 714-263-1549

MICROCOM

DATA RECOVERY SPECIALISTS.

When you Absolutely, Positively have to get your Data back... call Micro-Com now for a free consultation.

800 469-2549

www.mcrecovery.com

20802 Plummer St. • Chatsworth • CA

DATA RECOVERY

Low Cost, Job Guaranteed
Quick Turnaround
Free Estimate

DATA-ONE Since 1987
(408) 434-1002
940 Rincon Cir., San Jose Mon-Fri 9-5pm

HARDWARE

Mentor Graphic

PCB Design software. Intregra station. Silver 2.6 vol. 2. Never used. Make offer. Pager 415-371-1529.

SCSI Hard Drives–Factory reconditioned SCSI II Hard Drives, Great for Audio/Video work! Good for PC, Macintosh and UNIX systems. 9.1 Gigabytes for $750, 4.3 Gigabytes for $375, 3.0 Gigabytes $250. Warranty available. Call: **(818) 568-3219.**

ULTIMATE PALMTOP COMPUTER

MiniNote 386X. Small, Light, PCMCIA, $395. Psion Organizer II PDA, $95. Call 415-456-5655.

Sun Memory 4-Sale 200-PIN 32MB $175, 64MB $325 OBO raider73@hotmail.com Lam To 2165 Danderhall Way San Jose, CA 95121 408-270-6146

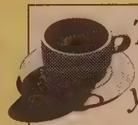
PC & UNIX Stuff 4-Sale Hardware, Software, boards, books, terminals, printers, cell-phone, more. Call/Fax 510-820-7920 Keith Bigelow 290 Windstream Place Danville, CA 94526. 510-838-0550, 510-820-7920 FAX kbigelow@aol.com

---

Ext. I-GB hard drive parallel connection $135. Psion Series 3 with accessories $75-$100. 415-455-8737 Mark Sweitzer 54 Tamalpais Ave. San Anselmo, CA 94960

Ultimate Palmtop Computer: MiniNote 386SX. Small, light, PCMCIA, $395. Psion Organizer II PDA, $95. 415-456-5655 Mr. Dennis Trager 185 Scenic Rd. Fairfax, CA 94930-1522

7200 PowerMac 90MHZ. 17 inch Multiscan Monitor. 4/600 PS Printer. Vistascan ColorScanner. 14,000 Global Fax Modem. Call 415-831-7251



Tell 'em you saw their ad in

MicroTimes

DUPLICATOR HARDWARE

CD-R Duplication Systems!

www.advent-media.com

For the lowest prices on bulk media, call now!

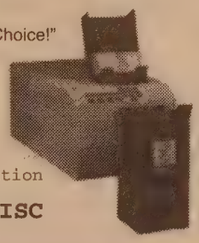
MediaFORM

SONY. TDK Verbatim KAO MITSUI

eMEDIA's "Editor's Choice!"

CD-R autoloaders
CD-R printers
CD-R networked

stand-alone / PC
"one-touch" copy
auto-format recognition

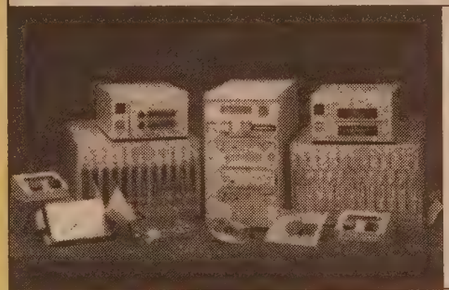


1 (888) 700-DISC

Advent Media

WORLD LEADING DUPLICATOR SERIES

- **MagicJumbo Hard Disk Duplicator**
  Copies up to 280MB/Min per Drive
- **MagicCD CD-ROM Duplicator**
  1, 2, 6 Target Stand-Alone CD Duplicator



Super MagicCopy

- 1, 4, 12 Target Stand-Alone Floppy Diskette Duplicating Machines
- Window Margin & MP Test Assures the Best Quality

- **ZIP and PCMCIA Duplicators Also Available**

ILY enterprise Inc.™

6767 8th Street
Buena Park, CA 90620
TEL: 714-523-3525
FAX: 714-523-3823

Mention this ad for 5% discount!

1-888-PICK-ILY

Visit http://www.ily.com or e-mail to ily@ily.com

ENGINEERING

SunMan Engineering Inc.

Concept to Manufacturing

phone: (408) 441-1500
fax: (408) 441-7900

GRAPHIC DESIGN

Decent Designs, Inc.
Web Design Firm

DD Inc.

Web Sites * Logos * Java * Shockwave
Animation * Quicktime * 2D/3D Artwork
CGI * Databases * and more

Mention This Ad For 10% Off

Ranked in the Top 5 Web Design Firms Worldwide

650.493.3748 (phone) ·webcrew@decentdesigns.com
http://www.DecentDesigns.com

HARDWARE

PROFESSIONAL PC, MAC, SUN, SGI, & RADIUS MONITORS REPAIR

- Will beat all competitors' prices.
- Free pickup & delivery (local).
- Free loaner available.
- Manufacturer & dealer 10% discount.

REFURBISHED & USED MONITORS SALE

VGA 14 inch	$70
SVGA 14 inch	$85
SVGA 15 inch	$150
SVGA 17 inch	$280
SVGA 19 inch	$399
WYSE Terminal	$120
SUN & MAC	$Call

PC COMPONENT SALE

512K INTEL CHIPSET M/B	$80
4X SCSI REFURBISHED	$40
1M CIRCUIT LOGIC VIDEO	$29
CPU, HDD, MEM	$Call

MONITOR SERVICE (FLAT RATE)

14-15 inch	$45
16-17 inch	$90
19-21 inch	$150
WYSE Terminal	$45
BIG SCREEN SUN, MAC, RADIUS FROM	$160

MONI-COMP TECH.
Nation-Wide Monitors, Terminals, PC Sales & Service
1710 Berryessa Road, #114 , San Jose, CA 95133
(408) 254-3746 • Fax (408) 254-3634

HARDWARE TESTING

Nobody Tests Hardware Products Better Than Mad Dog Technologies.

Our staff has years of experience, particularly with graphics, 3D, video,and multimedia. Offering both thorough QA and Performance analysis services, Mad Dog will qualify any kind of hardware from controllers all the way up to fully integrated systems.

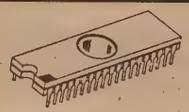
PRODUCT TESTING
Lower support costs by insuring that your products are bug free, guarantee great magazine reviews with topflight performance and feature sets, or show up your competition with eye dropping demos. We perform Windows 95/NT compliance testing.

NETWORK TESTING
Mad Dog Technologies also possesses a 50-node (and growing) network, perfect for testing client/server, inter or intranet-based applications, or anything else that demands a network.

For more information on these and other services call
(415) 495-1900 or visit www.maddogtech.com

SCSI HARD DRIVES FOR ALL STORAGE NEEDS
Come to our Store to See All Latest Bargain Prices
DRIVES: We Build RAID, DISK-ARRAY, Internal or External.
PCs: We Build Custom Configured Machines for High Performance
PACIFIC DISK DRIVE EXCHANGE
120 E. Gish Rd. San Jose CA 95112
Tel: (408) 573-7778. Fax: (408) 573-8158

IC PROGRAMS



EPROM, PAL PROGRAMMING HOUSE

We program I.C.s and sell device programmers.
Programming adapters & erasers are available.
We sell EPROM emulators & PAL compilers.
Very Reasonable Rates.

Electronic Engineering Tools
Tel: 408-734-8184
Fax: 408-734-8185
www.eetools.com

HARDWARE

GSI 32 Controller Card, Fast Tape B/U, Accelerates Transfer Rates, $55, INITIO SCSI Card $65, 408-253-0671. Marc Ziegler P.O. Box 135 Cupertino, CA 95015

PC Monitors for Sale. 17" $299, 20" $399. 6-month warranty. MoniServe, Inc. 1-888-785-7288. URL: http://www.moniserv.com.

SCSI hard drives for MAC, PC, Workstation from 1GB to 9GB SCSI internal and external Seagate 4.3 GB $499 SCSI Seagate 2.1GB $250 SCSI. PACIFIC DISK DRIVES EXCHANGE 120 E. Gish Rd. San Jose, CA 95112 Tel. 408-573-7778 Fax 408-573-8158.

PDAs: Sharp Zaurus 5000, $175. Wizard 6500, $95. 2 Psion Organizer II's, both $145. call 415-456-5655.

Multimedia Computer, 586, 160MHz, 16 RAM, 1.2HD, CD, sound, DIAMOND 4MB-VRAM, 14" NEC, $650. Call 510-531-0790.

MAC SE, Excellent Word Processor, $150. Apple Stylewriter II Inkjet Printer, $125. Call Rick 415-452-0629.

HARDWARE WANTED

$ TOP DOLLAR PAID $
CPU, MEMORY & HARD DRIVES
All Computer Equipment & Manufacturers
Surplus, Overstock, Liquidations, Wholesale
BUY & SELL • NEW & USED

The Computer Connection
(888) 517-1607
(619) 420-4587
Fax (619) 420-4588
computerconnect@home.com
Visit our website: www.computerconn.com

HP, Sun
Digital PC
Mac Peripherals
Microsoft Software

Want To Buy Network
EQUIP/CARDS/HUBS
IBM,3COM, INTEL,SMC, Madge, Adaptec, Olicom, HP Jet Direct, Cabletron, Synoptics
★ PLUS EXCESS ★ COMPUTER INVENTORIES
JE COMPONENTS
(310) 828•0094
fax: (310) 828•4184

We Buy Used Diskettes.
1-800-798-DISK

Our readership sets us apart!

INTERNET

Mobil Computer Workstation
- Ergonomically Adjustable
- Mounts in Any Vehicle
- Starting @ $189.00

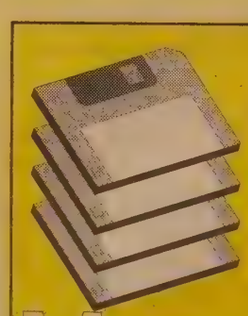
"The Amazing ERGO-Mount"
One For The Road Inc.
(800) 924-1113
Fax (707) 644-3010
www.wwsites.com/CA/onefortheroad

IMMIGRATION
Law Offices of Paul M. Heller
Labor Cert. & Work Visas • Individual, Bus. & Corp. Clients
(415) 291-8000
http://www.greencard1.com
e-mail: heller@greencard1.com

ATLANTIS ONLINE
Serving the South Bay

- Current GUI • CD-ROM Library
- Action Chat • Pen Pal Registry
- Multi-player Games • Door Games
- Major Net Forums • All Ages
- Outbound FAX • Matchmaker
- Major Mud • Swords of Chaos
- Mutants! • Tele-Arena
- Video Poker • Cross-Words
- Tradewars 2000 • Ultima 2000
- Kyrandia • and More

Your Dial-Up Numbers
San Jose (408)377-8510 • Milpitas (408)942-0814 • Mtn View (415)961-7234
33.6K PPP as low as $12.95/mo.
Subscribe On-line • No Set-up Fee • Unlimited Access
telnet: atlantis.bbs.com for FREE game play and chat
www.atlantis.bbs.com Web Hosting Site Design



Shop for Media Duplication Services with MICROTIMES CLASSIFIEDS

INTERNET

MICROTIMES

"I get the best service from my rep at MicroTimes. Thanks. Thanks. Thanks!"

Angelia Tan
Marketing Director
Dynatek

Infoworld, Inc.
Dynatek

Expand Your Universe.

PERSONAL INTERNET SERVICES

Unlimited Internet Access (flat fee)
33.6k - $16.95 mo. • 56k - $19.95 mo.
Free technical support 7 days a week

BUSINESS INTERNET SERVICES

Web Design & Hosting
Leased Lines - Modem, ISDN,
Fractional TI, TI and up

REDSHIFT

408.655.8710 www.redshift.com

HARDWARE

Backup power supply $125, new, 225w. Protects against spikes, surges, blackouts, (20-30min.), and equipment damaging brownouts. 415-456-7000.

To advertise in the nation's largest regional computer magazine, call MicroTimes Classifieds at 510-768-1200

HARDWARE WANTED

HELP US! OrchidNet, the high tech model for plant conservation, seeks a decent Macintosh computer, Mac printer, projection screen, and color scanner for our ongoing efforts in plant conservation and education. All donations are tax deductible. URL: http://orchid.org for more info. 510-235-8815, orchidnet@jps.net.

Help people who have hit rock bottom help themselves. The Delancey Street Foundation urgently needs 486 or better systems and upgrades to teach marketable skills to the homeless. Tax Deductible. Call Stephanie 415-957-5107.

$$$Top Cash Paid$$$ We buy small and large quantities of new/used/ surplus SIMMs/Hard Drives/ CPUs/SOJ's. Call Ted to make a deal today! Pager 408-366-5665 or work 408-252-1839.

Contra Costa County-based Gang Diversion program needs your old computers and boards. Help a young person break away from gang life. Tax Deductible. Call Mentoring Youth At Risk Program 510-827-5964.

Web-Site Development
• Web-Site Design
–15 Page Sites as Low as $995
–Low Cost, Secured Servers
• Web-Site Makeovers
–Comdex Specials
• Keeping Sites Updated
–New Products & Technologies
DESKTOP INNOVATIONS
Internet Marketing and Electronic Commerce
408-269-4929
http://www.desktopinnovations.com

INTERNET
Unlimited access for $12.50/month!!
Dial-in & log in as guest
415.364.6674
-DataTamers-
P.O. Box 2467
Menlo Park, CA 94026-2467
415.364.7919 (voice/fax)

GREAT DEALS
510.768.1200
MicroTimes

INTERNET ADULT

Thousands of XXX images from around the world
$11.95 a month every day!
http://www.qwikpics.com
NERO'S ADULT BBS CHAT/DOWNLOAD
(408) 933-2706 TELNET: wg.pathcomm.com
Web site: www.pathcomm.com

MEDIA DUPLICATION

888 234.DISC
your complete CD production source
• Pre-Mastering & Conversion
• Short Run CD Duplication
• CD-R Silk Screening
• CD Mass Production
• CD Card Board Packaging
• Art, Film & Printing Service
• Same Day Service
CD-R Screen Printing
CD-R Media
6x Certified
low price
guarantee
www.acutrack.com
3109 Castro Valley Boulevard
Castro Valley, California 94546
toll free 888.234.3472
fax 510.581.7386
Acutrack

Software Manufacturing
• Diskette Duplication
• CD-R, CD-ROM Duplication
• Assembly, Printing, Shrink-Wrapping
• Inventory Warehousing & Order Fulfillment
• Complete Turnkey
SAICOM INC.
1340 Fulton Place, Fremont, CA 94539
Phone 510/438-4550 Fax 510/770-8658
Web: http://www.saicomm.com • E-mail: sales@saicomm.com

MEDIA DUPLICATION

Turnkey Software Duplication & Packaging
Highest Quality Media & Equipment
• Software Mastering & Replication
• Printing: Custom Color Boxes, Product Packages, Labels, Manuals & Data Sheets
• Computer Components Testing, Product Assembly, Shrink Wrapping & Inventory Warehousing
• Prepress; Graphic & Package Design
Duplication 100% Guaranteed !
Fastest Turnaround & Best Pricing
E-mail: apcsale@aol.com
http://www.apcasm.com
TO ORDER, CALL 800-666-1007
A P C

DUPLICATION DISTRIBUTION
DISKETTE DUPLICATION
1 800 798 DISK
PRINTING + PACKAGING + SHRINK WRAPPING
3.5 DS/HD DUPLICATION WITH CUSTOM LABELS 100% GUARANTEED
JAC INDUSTRIAL, INC.
4564 ENTERPRISE ST.
FREMONT, CA 94538
TEL: 510 438-6668 FAX: 510 438-6669

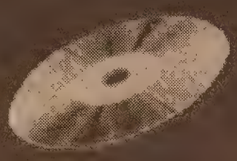
MEDIA DUPLICATION

Overnight CD-R Copies!

Up to 500 Copies in 24 Hours
Free Printing on Disc
Gold, Silver or White Media

800-635-7477
www.marcan.com

Duplication Systems
Jukeboxes & Towers
CD-R Printers
Duplication Services
Recorders
Media



MARCAN
CD-ROM SOLUTIONS PROVIDER

"Deal Direct, Exclude the Broker!"

THE ONLY CD MANUFACTURER IN SAN JOSE

FACTORY DIRECT

Same Day Service
CD Mastering
CD Replication
CDR's
CD-R Duplication
CD-R Silk Screening

Pick-Up & Delivery
CD Packaging
CD Mailers
CD Booklets
CD Assembly
CD Fulfillment

Ultra Media Inc.
Optical Disk Replication
www.cdmakers.com

2048 Corporate Court
San Jose, California 95131
Tel: 408.383.9470 ext:160
Fax: 408.383.0806

BUY DIRECT & SAVE! No Minimum Quantity

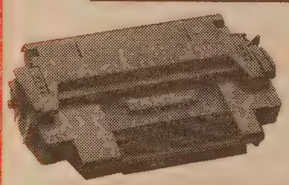
PRINTER AND COMPUTER SUPPLIES

COMPUTER MEDIA DIRECT

Your Single Source For Computer Supplies

HEWLETT PACKARD brother Canon XEROX OKIDATA Panasonic SHARP

COMPATIBLE TONER CARTRIDGES



For HP LaserJet II/IID/III/IIID, Apple LaserWriter II/IINTX, Canon EP-S Series II/SX

☑ Quality and Savings!

Realize substantial savings when purchasing quality replacement cartridges from Computer Media Direct. Your image is important, that's why all of our cartridges are manufactured by a trusted name in the Silicon Valley under strict quality controls. Each cartridge is guaranteed or we will replace it at no charge!

$32.95

PART NO	MODEL	QUANTITY 1	QUANTITY 2+
116811	HP LaserJet II/IID/III/IIID, Apple LaserWriter II/IINTX/IIG	$34.95	$32.95
116821	HP LaserJet 4/4M/4M+/5/5+, Apple LaserWriter Pro 16/600PS	$64.95	$62.95
116842	HP LaserJet IIP/IIP+/IIIP, Apple Personal LaserWriter LS	$42.95	$39.95
116812	HP LaserJet 4L/4ML/4P/4MP, Apple Personal LaserWriter 300	$48.95	$46.95
116817	HP LaserJet 5SI/5SI MX	$139.95	$137.95
116815	HP LaserJet 5P	$54.95	$52.95
116816	HP LaserJet 5L	$49.95	$47.95
130166	Canon Copier PC-6RE, 7, 8, 11, 65, (A-30 cartridge)	$59.95	$57.95
130601	Canon FAX L700 (FX-1 cartridge)	$54.95	$52.95
116805	Canon E-31, Hi Yield (3000 pgs.), PC 310/330/770	$89.95	$87.95
116841	Apple LaserWriter Select 360	$54.95	$52.95
116823	IBM, Lexmark 4019 Hi Yield	$89.95	$87.95
116830	IBM, Lexmark 4049 Hi Yield	$124.95	$122.95
130303	Xerox 5009/5310	$74.95	$72.95
130603	Ricoh FAX 3000L/3200L, (Type 30 Cartridge)	$49.95	$47.95
130608	Ricoh FAX 2700/3700/4700, (Type 150 Cartridge)	$89.95	$87.95
	COMPATIBLE TONER	**1-4**	**5+**
116827	OKI 400/800 Series, DOC-IT, 3000/4000 Series	$17.50	$16.60
116828	OKI 400e/600e/800e Series	$16.75	$15.90
116845	Panasonic 4410/4430/Panafax UF-766/4440	$26.95	$25.60
117905	Panasonic 4450/4450i/4451/UF-750 D/FX, OMNIFAX L-75, FUJITSU DEX 730	$26.95	$25.60
116847	Sharp JX9500	$26.95	$25.60
116856	Brother HL 630/641/645/650/655M	$22.50	$21.40

☞ If your cartridge model is not listed please call Computer Media Direct

COMPUTER MEDIA DIRECT
2150 Paragon Drive, San Jose, CA 95131
1(800)523-1238
Fax: (408)441-8354

SOFTWARE DUPLICATION AND PACKAGING

FAST
RELIABLE
COMPETITIVE
Since 1980

Disk Duplication
CD-R Duplication
CD-ROM Replication
Bagging - Shrinkwrap
Printing - Assembly
Labels - Packaging Materials
Turnkey Solutions

International DATAWARES
2150-A Oakland Road San Jose, CA 95131
408..943.1233 tel 408..943.1002 fax

SOFTWARE DUPLICATION

- CD-R & CD-ROM Duplication
- Diskette Duplication
- Assembly, Printing and Packaging
- Quick Turnaround
- Low Price and Satisfaction Guaranteed

888-283-0080

AV3
384 Concho Drive
Fremont, CA 94539
Web: www.av3.com

Tel: 510-445-0101
Fax: 510-657-8211
E-Mail: sales@av3.com

DISKETTES & CD DUPLICATION

Disk Duplication From $0.28/pc.

CD-R Duplication From $12.00/pc.

CUSTOM LABELS • PACKAGING
ASSEMBLY • WAREHOUSING

➨ Modem, Sound Card, VGA Card and Other Utility Disk Duplication Specialist

➨ Blank TDK, Sony, Kodak and any other CD-R74s available at wholesale prices!!

888-668-6660

SOFTWARE DUPLICATION SERVICES

2471 Autumnville Dr. Ste C San Jose, CA 95131
1-888-956-9650 Fax: (408) 956-0429
www.softdupe.com

Labels, Order Fulfillment, EDI
CD-ROM Replication, Printing.
Complete Software Packaging.

---

888 234 DISC

SOFTWARE DUPLICATION

- Diskette Duplication
- Tape Duplication
  9 Track, 3480, 4 mm, 8 mm, Zip Disk, & more
- Assembly, Packaging
- Art, Film & Printing Service
- Complete Turnkey
- Same Day Service

www.acutrack.com

3109 Castro Valley Boulevard
Castro Valley, California 94546
toll free 888.234.3472
local 510.581.4536
fax 510.581.7386

Acutrack

FAX FAX FAX FAX FAX FAX

YOUR CLASSIFIED LISTINGS TO
510.768.1288
MICROTIMES

INTERNET

Web Site Hosting from $16.95 per month (Info Treasure, Inc.) Get Your-domain-name.com; 5 e-mail; CGI Access, 40MByte Disk Space. Toll Free 1-888-446-1688; www.link4info.com; infolink@link4info.com.

Build on The I-Way, the information highway, your way. http://www.theiway.com Tel: 310-575-0705

Jim Bayes Graphic Design Desk Top Publishing. Digital Prepress. From Concept to Finished Product. Brochures, Business Cards, Packaging, ect. . . . For more info call: 415-460-1983 fax: 415-460-1983 E-mail: JPPBB007@AOL.COM

FREE 5-Page Commercial Web Site to Market Your Idea, Product & Service 415-908-712. http://www.worldwebsites.com Charles Byrd 1230 Market Street #412, San Francisco, CA 941012. 415-775-5006 Fax

TLC Net Server—URL: http://www.tlcs.com. Full Internet Access, Custom designed INTERACTIVE Servers for your Business or home. FREE Interactive Software!! email: admin@tlcs.com. Phone: 415-826-0327 today!

Virtual Server Web Hosting and premeire web site design. Your own domain name starting at just $24.95/month. Call SiteMagic at 1-800-978-9911 e-mail: info@ sitemagic.com URL:http://www.sitemagic.com

E-MAIL ADDRESS BOOKS Your personal pocket book for websites and miscellaneous URL's. 4x5", 30pgs, $2.50 each. URL: http://www.cyberclick.com/emailbook (or) msfortune@usa.net. Call 1-888-691-6898.

Get On The WEB, I can creatively develop, market, and manage your Website. Free consultation. 415-885-0325 delbert@mediacity.com.

CALIFORNIA GIRLS—Thousands of original images of girls from Southern California and Texas. http://www.wowpictures.com.

INVESTIGATIVE SERVICES

Townsend Investigations, Representing Silicon Valley and Northern California. CA License #PI19192, Specializing in issues of Workplace Violence, Background Checks, Domestic Concerns, Child Care provider concerns, Business Losses, Sexual Harrassment, Experts in Drug Identification, law Enforcement Trained Investigators. Toll free 1-800-800-4650. URL: http://www.TownsendInvestigations.com

MEMORY

MEMORY WANTED. We pay top cash. We will beat anyone's price on memory 30-72 pin. SIMMs+ S.O.J's. CPU, IBM, MAC, & SUN. pg: 408-485-0164. Tel: 408-288-8856.

PERSONALS

ASIAN WOMEN Desire Romance, Marriage! World's #1 correspondence service since 1984! Free photobrochure! SUNSHINE INTERNATIONAL, Box 5500-MZ, Kailua-Kona, Hawaii 96745-5500. 808-325-7707, http://sunshine-girls.com

MONITORS FOR SALE

SERVMON

WE SERVE YOUR MONITOR!

- 14"- 21" PC, MAC, TV Monitor
- Pick-up, Delivery & Loaner Available
- Repairs Cellular Phone & CD Rom
- Low Competitive Prices!

(510) 661-9915

48834 KATO RD. #113A FREMONT, CA 94538

REPAIRS

THE HAPPY MAC

Repair • Upgrades • Data Recovery • Networks

"Mac repair isn't magic – and you shouldn't have to pay sorcerer's wages."

- On-site or Our Shop
- One-hour Response Time
- Free Pickup & Delivery
- Techs Available 24 Hrs.

1-800-281-1090

415-861-1090

1846 San Jose Ave. • San Francisco

Univox Monitor/TV Service Center

For All Makes & Models • 180-Day Warranty

FREE Parts Except Change FTB & CRT **FREE ESTIMATE** FREE Pickup Over 5 Pieces

Guaranteed Lowest Prices with Best Quality
Monitor: 14"-21" $40-$90
TV: 19"-60" ... $30-$150

We Buy Monitors, Working or Not • Specialize in Repair Sony, NEC, CRT

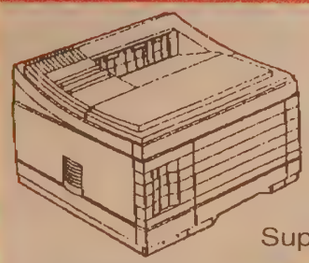
761 Mabury Rd., Unit 9, San Jose, CA 95133

TEL: (408) 453-5453 • FAX: (408) 453-5452

REPAIRS

LASER PRINTER & FAX REPAIR

COMPUTER SYSTEMS FOR SALE



MAXIMUM 2-HOUR LABOR CHARGE FOR THE MOST DIFFICULT PROBLEMS

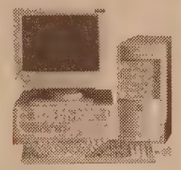
Fast Turnaround (24-48 Hours)

Super Rush Service Also Available

Certified Factory-Trained Technicians
- HP
- APPLE
- CANON
- IBM
- PANASONIC
- SHARP
- EPSON
- OKIDATA
- NEC
- TI
- QUME
- FUJITSU
- QMS
- RICOH
- CITIZEN
- BROTHER

Laser Printer Tune-up $45

- Free Cleaning, with Repair
- Free Local Pick Up and Delivery
- Free Loaner (Laser Printer)
- On-Site and Deport Repair
- 180 Days Warranty
- NEW & REMANUFACTURED TONER CARTRIDGES - OEM DRUM - SUPER DRUM - 100% GUARANTEED
- Other Repair Services: - IBM Compatible - Fax Machines - Monitors



Pentium® Multimedia System
P100, 16MB RAM, 1.2GB HD, Sound Blaster 16, 8X CD, 33.6 Fax Modem, 1.44 Floppy Drive, Speakers, Mouse, Keyboard, Monitor Sold Separately.
$899 cash price.

LT LASER TECHNOLOGY

FREE ESTIMATES • FAX 408-241-7698

800-201-5107 • 408-241-7699

1765 Scott Blvd., Ste 117 (b/t El Camino & Warburton) • Santa Clara, CA 95050

ONE STOP FOR ALL YOUR PRINTER NEEDS

Experience The Highest Quality Of Service And Value From One Of The Fastest Growing Printer Service Centers In The Bay Area

REPAIRS

- Laser, DeskJet, Fax
- 6 Month Warranty
- Free Estimate
- Service Contracts
- AUTHORIZED Sales and Repair Center for

HEWLETT PACKARD

Apple brother COMPAQ

Canon HEWLETT PACKARD LEXMARK

NEC OKIDATA Panasonic

"Note: All registered trademarks and logos are the properties of their respective companies.

Prices are subject to change without notice. While supplies last.

SUPPLIES

TONER CARTRIDGES

LJ II/III/IID/IIID	LJ IIP/IIP PLUS/IIIP
LJ 3SI/4SI/4SI MX	LJ 4/4PLUS/4M PLUS
LJ 4L/4ML	LJ 5/5N/5M
LW PRO 800/810	4019/4019 E
LJ 5LLJ 5P/5MP	

CALL FOR YOUR PRINTER

15% OFF

LASER PRINTER REPAIR WITH THIS AD

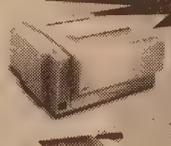
WE'LL BEAT ANY COMPETITOR'S PRICE

VISA MasterCard BBB

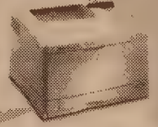
SALES

BRAND NEW PRINTERS

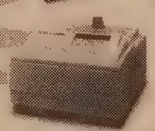
REPAIRS & PRODUCTS 100% GUARANTEED



LaserJet 6Pxi..... $718.95
Laser Jet 6MP $859.95



LaserJet 5 ..... $969.95
LaserJet 5N..... $1289.95
LaserJet 5M..... $1469.95



LaserJet 4V..... $1739.95
LaserJet 4MV..... $2489.95

LaserJet 5Si..... $2289.95
LaserJet 5SiMx.... $3279.95

COMPUTER XTRAS XPRESS INC.

J.A.L.A. Signature Service Printer Division

San Jose
1671 Rogers Ave.
408-452-4080

1-888-774-LASER(voice) 1-888-554-LASER(fax)

San Francisco
452 4st. suite 354
415-788-5700
Office by appointment only

CLASSIFIED ADVERTISING SECTION

MONITOR EXPRESS

—THE BAY AREA'S LARGEST MONITOR SPECIALIST

NEW MONITORS

Special
- 14" KFC, 0.28DP, 1024x768 ..... $149
- 15" GOLDSTAR, 0.28DP, 1280x1024 ..... $199
- 17" AV2, 0.28DP, 1280x1024 ..... $379
- 17" SMILE, 0.28DP, 1280x1024 ..... $399
- 17" LEO, 0.25DP, 1600x1200 ..... $499
- 17" PROTON, 0.25DP, 1280x1024 ..... $519

Apollo
- IM2.1 LCD Panels $2499

Mag
- DX15T/DX700T/DJ702E/DJ700 ..... $339/$619/$549/$559

Princeton
- EO70/EO72/EO74/Ultra 72/EO90 ..... $479/$539/$629/$479/$859

Mitsubishi
- TFW8705SKHK 17" Dia. Pro. $799
- TFW9105SKTK 21" $1599

NEC
- A700/P750/XV17+ ..... $599/$849/$659

Panasonic
- S17/E21/S21 ..... $599/$1249/$1349

Nokia
- 447L058/447XAV/447XI ..... $619/$999/$819

Radius Pressview
- 21SR/17SR/21 ..... $3999/$1999/$1999

Sony
- CPD100SX/CPD100SF/CPD200SX/CPD200SF ..... $349/$359/$629/$699

ViewSonic
- 17PS/17EA/17GA/GT770/GT775/G5 ..... $669/$549/$619/$645/$669/$529

WE'LL BEAT ANY COMPETITOR'S PRICE!

REFURBISHED & USED MONITORS

- 20" Multisync ..... from $399
- 17" Multisync ..... from $299
- 15" Multisync ..... from $149
- 14" SVGA NI ..... from $119
- 14" SVGA IN ..... from $99
- 14" VGA ..... from $79
- 14" EGA ..... from $49
- 14" Mono ..... from $29

REPAIR

- Big Screen Sun, Radius, SGI & Mac Fixed-Frequency Monitors ..... from $200
- Dumb Terminal & Keyboard ..... CALL
- NEC, Sony, Mitsubishi, MAC, PC, Sun & Customer's Video Cable and Power Cable .. CALL

✦Professional PC, MAC, Sun, SGI, DEC, HP & Radius Monitor Repair

Touch Screen Installation

✦Free Estimation, Flat Rate, Free Parts (except FBT, CRT, & Case)

EXPRESS SERVICE & FREE LOANER
FREE LOCAL PICK UP

Call for Quantity, Manufacturer & Dealer Discount Price.

VISA MasterCard BBB MAC INNOVISION NOKIA SONY ViewSonic NANAO NEC

538 Lawrence Expressway • Sunnyvale, CA 94086 • (408) 737-8080 • (408) 773-9800
689 East Brokaw Road • San Jose, CA 95112 • (408) 436-8768 • (408) 436-8189
http://www.monitorexpress.com

Monitor, Laptop & Notebook Repair Center

We Specialize in:

Large-Screen Monitor Repair

- Computer Monitors for MAC, PC and Workstations
- Component-Level Troubleshooting
- Use Original Parts or OEM Parts
- Repair & Clean-Up with 8-hour Burn-In Test
- Express Service Available

$50 FLAT CHARGE Up to 14" PC Monitor

Excludes FBT, CRT & Bezel

Laptop, Notebook Repair

- Component-Level Troubleshooting
- Hardware Upgrades
- Use Original Parts or OEM Parts
- Factory-Trained & Certified Technicians
- Competitive Pricing

FREE ESTIMATES with Carry-In

Refurbished Monitors for Sale

Check Out Our Site:
www.moniserv.com

Business Hours:
8:30 AM to 5:30 PM M-F
10:00AM to 3:00PM Sat.

Tel: (510) 785-7288
or 1-888-785-7288

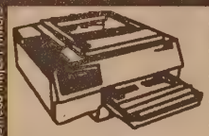
MoniServ Inc.

2223 Commerce Place, Hayward, CA 94545

Where Quality Service Is Not Compromised

LASER PRINTER REPAIR

Business Laser Printers • Personal & Business Inkjet Printers



- **AUTHORIZED WARRANTY REPAIR CENTER**
- **6-MONTH WARRANTY**
- **FREE:** Local P & D, LOANER, & FLAT -RATE Estimates!
- **BUY & SELL:** Printers and Plain-Paper Fax Machines.
- *We will beat any competitor, repair estimate!*

LJ II/III toner $39.95
LJ 4/4+/5 toner $68.95 w/tune-up

15% OFF Repair Labor (carry-in)

SAME- TO NEXT-DAY SERVICE
NEW & RECY. SUPPLIES
HIGH QUALITY & LOW PRICES

Try our popular **PRINTER TUNE-UP** just $49 <carry-in>

Color Laser Printers • Large Format Laser Printers

Lawrence Expwy. Arques Ave. 101 NO.

LaserSharp Inc.

Sales & Service: (408) 730-0400
510 Lawrence Expwy. #107, Sunnyvale • Open M-F 8:30-6:00

All major cards accepted

since 1989

Apple, Brother, Canon, DEC, GCC, LexMark, QMS, Xante

MicroTimes

The response from our *MicroTimes* Printer Repair ad has worked so well that we have ad to build up our technical staff just to keep up with the increased laser-printer repair work. Thank you!

Saul Hernandez
General Manager
LaserSharp Inc.

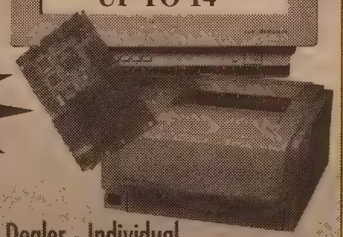
MONITOR & LASER PRINTER REPAIR

FREE PICKUP & DELIVERY EXCEPT FOR INDIVIDUALS

We Specialize In:
- ✦MONITORs
- ✦LASER PRINTERs
- ✦PC MOTHERBOARDs

(Capacity up to 1,800 pieces per week)

$45
Including Parts & Labor
ALL MONITORS UP TO 14"



LARGEST COMPUTER REPAIR CENTER IN SAN FRANCISCO

Manufacturer - Distributor - Dealer - Individual
Well-trained Engineers and Technicians to service your repairs
Volume Screening & Rework

FREE ESTIMATE • 90-DAY WARRANTY

Zoom Tech Inc.
HI-TECH COMPUTER SERVICE

TEL: 415-877-8122
512 South Airport Blvd., South San Francisco, CA 94080
FAX: 415-877-8290

THE NOTEBOOK COMPUTER SERVICES CENTER
SALES, BUY, TRADE & REPAIR

The notebook repair store

We Buy, Sell, Trade, Repair & Refurbish Laptops, Notebooks & Subnotes.
We Specialize in Component Analysis Upgrades, Hard Drives & Memory.

- Free Estimates
- Quick Turnaround
- We Guarantee Our Work
- Special Rates for Business-to-Business Accounts
- Free Pickup and Delivery.

LapTopTek
A LIT CORPORATION COMPANY

We Perform:
- Network Consulting Services
- Software Recommendations & Installation Setup
- Operating Systems Solutions
- Repair & Troubleshooting
- Hardware/Software Assessment
- Programming Analysis

1-on-1 Training/Instruction for Computer Novices. We Specialize in Windows NT.

IBM, AST COMPUTER, Apple, ZEOS, Canon, ACER, TEXAS INSTRUMENTS, Packard Bell, TOSHIBA, COMPAQ, EPSON

Tel (408) 294.9970 or 1-888-886.6800
2030 Senter Rd. San Jose, CA 95112 • Fax (408) 294.7088

Monitor Repair Center
Established Since 1987

$45 Flat Rate Charge
On All PC VGA, SVGA Monitors up to 14"
All Parts Included Except FBT, CRT & Plastics

6 Month Warranty
With Customer Satisfaction Guaranteed

Call for Monthly & Dealer Discount Rates

New and Refurbished Monitors for Sale

Expert Repair On:
VGA/SVGA
IBM/Apple
MAC/RADIUS
Sun/SGI/DEC/HP
12" to 21" or larger

- Service Contracts
- Quality Control & IQC
- RMA & RTI Screening
- ECO Reworks

Open 7 Days
M-F 8:30am-6pm
Sat. & Sun. from 11am to 4pm

COMPU MONITEK SERVICES, Inc.
21053 Alexander Ct. #C, Hayward, CA 94545
TEL: (510) 264-1683

VISA MasterCard AMERICAN EXPRESS

"We do the best customized computing for you."

C & B SYSTEMS
Bill Jiang
2355 Oakland Road • Suite #8
San Jose, CA 95131
(408) 456-6902 • (408) 456-6905
Fax: (408) 456-6903

MONITOR REPAIR
EXPERT SERVICE ON PC MONITORS
INDIVIDUAL • DEALER • MANUFACTURER

- FREE Estimate
- LOWEST Price
- FAST Turnaround

FREE Pick-up & Delivery For Dealers

INDOVISION CORP.
40485 Encyclopedia Circle, Fremont, CA 94538 • 510-651-6888

THE NOTEBOOK REPAIR SPECIALIST

- Notebook Repair, Upgrade & Sales
- PC Motherboard & PC Peripheral Repair & Rework (High-Volume Capacity)
- Work Guaranteed
- All Makes & Models
- Low Rate
- Fast Turnaround

Individual & Manufacturer Wholesaler Deals

510-477-0866
JOHNSON COMPUTERS
30998 Huntwood Ave., #102, Hayward, CA 94544

REPAIRS

A-1 COMPUTER SALES & SERVICE
Custom made systems. Onsite or in house repair. Most competitive prices. Call 415-602-9924

COMPUTER REPAIR
PC Install, Repair & Upgrade Hardware & Software. Flat rate plus parts. Call anytime. 510-813-8140

Mobile CompuFix is your number one Authorized Reseller & Service Provider For IBM Products. We Sell & Service THINKPADS, DESKTOPS, MONITORS, & LASER PRINTERS. Warranty & Out Of Warranty Repair Systems Upgrade Competitive Rates. Please Call 510-337-9671 M-F 5:00 pm - 9:00 pm. By Appointment Sat. & Sun.

Monitor Repair
Free Estimates
All Makes & Models
$39 + parts (12"-15")
$68 + parts (16"-18")
$95 + parts (19"-21")

(415) 292-5623
M-Sat 10-6, Sun 12-4
1450A Bush St. San Francisco
www.boma-electronic.com
BOMA ELECTRONICS SVC

MONITOR REPAIR
- Free Estimates • Fast Service
- Expert Repair on All Monitors

PC • APPLE • SUN Workstations
Guaranteed Lowest Price

PRO VIDEO SERVICE
1916 Camden Ave., San Jose, CA 95124
Tel (408) 371-2360

MONITOR REPAIR
We Buy and Sell Monitors
Expert Repair - Staff Engineer

FREE PICK UP and DELIVERY
1 Monitor.....$45
5 Monitors .....$40 ea.

6-Month Warranty
Also Repair TV, VCR, Stereo, etc.

QUENTRONICS
Lic: E74684
Tel: (510) 790-2502
Fax: (510) 793-9142
36161 Elba Place • Fremont, CA 94536

REPAIRS

MONITOR & TERMINAL REPAIR

- 10 years of expert service on any model & size
- TERMINAL, VGA, SVGA, SUN, MAC, & MULTISYNC
- 2-day quick turnaround & 120-day warranty
- Lowest price, free estimate, pickup & delivery
- Free parts, excluding CRT, FBT, & BEZEL

CSV 2071 Winchester Blvd., Campbell, CA 95008
Tel: (408) 374-0659 Fax: (408) 374-0289

SERVICES

Contract Engineering Services
'Round Noon Software
Custom Business and Financial Solutions. NT Backbone Programming, UNIX to NT Conversion, Internet Systems Development. C++, Java, Perl, HTML
Call Jim Aragon, President @ 972-789-2902
www.roundnoon.com

Don't Delay, Do it Today!!!

DUPLICATION
5.25" & 3.50"
All Formats, No Minimums!!
CD-ROM
1-1,000,000
Custom Printed Labels
Optical Text Scanning
Our 10th Year!
I.D. DISK CO. (415) 883-4628
NATIONWIDE 1-800-987-7509
Visit Our Website: iddisk.com

GAIN
insights into industry leaders, movers and shakers.
MicroTimes Stock Index

REPAIRS

PRINTER REPAIR: HP, APPLE, CANON, BROTHER. We can repair them fast. Prices are always very reasonable. Visit us at 510 Lawerence Expwy., Sunnyvale, CA. (near Fwy. 101) 1-800-894-8974 (Techs wanted)

Computer Repair/Service. Experienced Technical Staff. We troubleshoot hardware and software problems!! We install networks too, Win95/Novell, etc. C & D Computers. 510-537-4476 Fax: 510-537-4523. URL: http://www.candid.com.

Monitor and Terminal Repair. $50 most models. Warranty. 30 years experience. Call Beyond Repairs 510-783-6805.

SOFTWARE

MENTOR GRAPHICS INTEGRA STATION 2.6 PCB DESIGN SYSTEM FOR WINDOWS 95/WINDOWS NEVER USED 415-371-1529. RALPH HYMEL 13 PILOT CIRCLE REDWOOD CITY, CA 94065

PC DIAGNOSTICS
$9.95 to $29.95 Product and download info at: http://ezgate.com/w/t?6

BIZVIEWS Business Program For Windows 95/ Windows. Fully customizable program that offers complete control of sales order processing. Produce quotes/ sales orders with unlimited notes. Invoicing/ Accounts Receivable. Purchasing/Accounts Payable. Contact Mgmt. System for sales people that includes the right tools for doing "follow-ups" on prospects. Inventory management includes the ability to upload vendor categories and/or create as many warehouses as you would like. Commission tracking and many more features. Multi-user. LAN w/o any extra charges. We can sell you the complete program by itself or can also custom program parts of it for your particular business. We also sell source code if you want to program it. Uses VisualDBASE. We can also custom code any other database programs for you. We are experts in Manufacturing and Sales Ordering Processing. San Francisco based. LCI COMPUTERS, 1-800-LCI-SOLV. Maxine and Dennis Levy.

CONSULTANTS' NETWOORK

Access and UB Business Applications. Reasonable prices. Fortune 500 Experience. Todd at 510-676-3951.

Jim Bayes Graphic Design
Desk Top Publishing. Digital Prepress. From Concept to Finished Product. Brochures, Business Cards, Packaging, ect. . . . For more info call: 415-460-1983 fax: 415-460-1983 E-mail: JPPBB007@AOL.COM

PC Repairs, Upgrades and Networking (Novell, Windows NT)
We make house/business calls anywhere in the BayArea. Call for free estimate. 510-340-0068 24 hrs./Leave message.

Help for new computer users. Help set-up and use new systems. We'll get you up and running. Jim's computer info service 900-288-0114. $2/min 18 or over.

FREEMAN'S ALMOST FREE CONSULTING. Low rates for installing new systems or adding new hard or floppy drives, modems, printers, CD-ROMs. Also configure DOS or Windows 95 software for optimum performance. Can give you shareware games, menus, freeware, utilities and delightful things you didn't dream existed. Kyle Freeman 415-621-4430.

Reasonable CNE support. Novell and NT Systems design. Customized programming FoxPro. 10 years experience. 408-448-0991. MBA, CNE.

Expert PC Help. Installation, problem solving, home or office network installation, web page creation, repair of PC's, monitors, laser printers, etc. Windows & UNIX. 20 years experience. $40/hour. phone 510-223-3310 pgr: 510-840-9210.

We DO EVERYTHING! Custom Relational Databases, Inventory, Document Scanning, Scheduling, Projects, Management, Bar Code; Training; Networks and Cabling. Internet Sharing Setup, WEB development; Repair, Upgrade, New Hardware; $30/hr, First hour Free! George/ Evan at 415-382-9672

LAN

COMPUTER CABLING. Cat 5, 10 BASE-T, Voice, ISDN. 5 year warranty, Free estimates, Competitive pricing. Your COMMUNICATIONS SPECIALISTS. 415-219-0989.

CATEGORY 5 CABLING. Fast Reliable Service. Free Estimates. Call the Best. 24-Hour Hotline. 415-738-0264.

NETWORK EXPERTS Design Novell Install Intranet Support WindowsNT Train WAN CNE 415-753-3201.

TOP NETWORK SPECIALISTS. NT, Unix, Novell, web design & admin, internet security, remote access, local/ wide area. S.B.S., Walt: Voice 1-800-215-6333.

Cat 5 Network Cabling. SAME DAY SERVICE. Free Estimates. Mention this ad for 10% discount. We move telephone/voicemail systems. 24-hour hotline 415-997-2006.

CNE + LAN/WAN Design/ Install, NT, UNIX, Internet/WWW, Network Security. Many years experience. Call Lawrence at 510-502-9224.

MicroSoft Exchange, MSMail, NT Consultation, design, and implemantation. Call Rob 415-359-8372, email: Coast@Slip.net.

PROGRAMMING

SOFTWARE DEVELOPMENT for networked PCs. Design, development, and documentation. 15 years of professional experience. Gibson Engineering 415-431-9414. bark@oddhours.com Mark Baker/Gibson Engineering 42 1/2 Langton St. San Francisco, CA 94103

Quality programming at budget rates. Visual C++, Visual Basic, C, Access, Power Builder, FoxPro, Paradox and Microsoft office programming, Call 415-440-4561 for quote.

SOFTWARE DEVELOPMENT in FoxPro, Visual Basic, and Access for networked PC environments. Design, development, and documentation. 15 years of professional experience. Gibson Engineering, Mark: 415-552-6165, E-mail: bark@well.com.

PROGRAMMING

Database Applications Visual FoxPro, Visual Objects, Clipper, Oracle Power Objects. Client Server and xBase. Custom design, modifications or conversions. Since 1985. Paltiel Inc. 415-345-0152.

High quality programming, consulting. C/C++, VB, Access, Java, CORBA, NT. Six Sigma Software. Brian Strand 510-595-8675, email: strand@pacbell.net.

Oracle7—DBA. Server Installation, Administration and Tuning. Oracle Webserver Development. Vantive Customization. Reports 2.5. My site or yours. Europa Systems, Inc. 415-543-6984.

CUSTOM PROGRAMMING, 10 developers on staff, Delphi, JAVA, Visual Basic, Paradox, Access. Client/Server experts. Call Greg 408-866-8033 x100 for FREE CONSULTATION.

Custom Software Development. Visual Basic, MSACCESS, SQL SERVER, C Under NT & 95. Industry Expereince. References. 510-371-0444. E-mail: FM150@AOL.COM.

Visual Solutions—Software Consulting Services: C/C++, VB, Access, Sybase & MS SQL Server, TCP/IP, Lotus Notes, MS BackOffice, OLE Automation, Internet, UNIX, NT, Win 95. Phone 510-691-6031. Fax: 510-671-9843.

Professional programming. Win 95/NT. Client / Server using Visual C/ C++ 5.0, Cobal, VB 5.0, Java, MFC, ATL, OLE, ActiveX, MS SQL Server, Corba, COM/DECOM, Year2000. Call for consultation 510-353-9562.

High Quality Software Development. C/C++, Unix, TCP/IP, SQL, Informix, Telecommunications, Point-of-Sale. Custom Business Systems 510-477-9939.

INTERNET/INTRANET DATABASE DEVELOPMENT. Database application development for the Internet and internal corporate intranets on your web server or ours. Secure data transmission (encryption) available. Clients include: HP, Wells Fargo, Varian, New York Life. Aardeus, Inc. 415851-4316.

CONSULTANS' NETWORK

ON SITE
COMPUTER & NETWORK SERVICES

SERVICING NORTHERN CALIFORNIA
Redding - Sacramento - Marin
San Jose - Bay Area

3 HOURS FREE CONSULTATION

X3 Systems is a provider of high technology solutions to today's businesses. We distinguish ourselves by providing **"total solution"** to our clients' needs. We not only give you what you need today to run your business efficiently, but we help you plan your technology for the future. We work together with your internal MIS or we can even be your MIS group. Our staffs have years of experience in real world computing and networking environments. We've done everything from small programming to corporate system integration projects.

AREAS OF EXPERTISE . . .

- Network Design, Planning, Installation (LAN, WAN, MAN)
- High Speed Telecommunications (T1, E1, Frame Relay, ISDN)
- Microwave Telecommunications (Voice, Data, Video, Telemetry)
- Database Design & Implementation
- Telecommuting & Remote Access Systems Design
- Custom Programming & Special Systems for Your Business
- Barcode, Inventory Management Systems
- Windows, Windows 95, Windows NT, Mail/Fax Server

X3 Systems
Technical Consulting Group
510-232-6190
info@x3systems.com
http://www.x3systems.com

LAN

VOICE AND DATA COMMUNICATION
SALES SERVICE INSTALLATION

Business Phone System	Local Area Network
• Most Electronic Systems	• Data Cabling
• PBX/Key Systems	• 10 Base-T CAT 5
• Adds: Moves: Changes	• Fiber Optics
• System Relocations	• Ethernet Coax
• Voice Mail & Messaging	• Data Connector

No Obligation for Site Survey
ADVANCE COMM RESOURCE INC.
TEL: (408) 441-6877

Novell Gold Authorized Reseller
■ Installation
■ Management
■ Sales
2 CNEs ON STAFF
Abbott Computer Services
(510) 234-5618

NETWORK CABLING
100Base-T • Fiber Optics
Hubs • Cable Installation
Routers • Firewalls
CERTIFIED
CALL TODAY FOR A FREE QUOTE
1 800 DATAWAY
WWW.DATAWAY.COM • 1 800 328 2929
WINDOWS NT - UNIX - MAC

NETWORK CABLING
Installation of:

• Twin, Ax, Coax	• Fiber
• Serial Computer	• 10 BaseT
• Repair	• Thin Net
• Cables	• CAT-5

Troubleshooting
~~BASELINE~~ services
✓ Fixed Bids
✓ Guaranteed Work
✓ References Upon Request
✓ Quick Friendly Service
✓ Serving All California
800-464-0218
CAL#529721

FINALLY
Affordable Network Installation, Configuration & Administration
NETWORKS:
Coax, Twisted Pair, Fiber-Optic
PLATFORMS SUPPORTED:
Novell, NT, Server & Client, Windows 95, WFW
INTERNET:
LAN Access, E-mail, Web Page Setup & Hosting, ISP
Complete Network Solutions in One Call
1-800-480-7429
SILICON VALLEY BUS. SOLUTIONS

Internet/Network Consulting
WWW/Internet servers, Novell, AppleShare, LAN, WAN
Unix/NFS, System Administration
Database Design
PowerBuilder, 4th Dimension, FoxPro, FileMaker Pro
Software Development
Mac & Win, C, C++, Pascal, AppleTalk, TCP/IP, MacApp, TCL
The Stradivarian Group
Professional Computing Services
(408)257-4482 info@tsgus.com

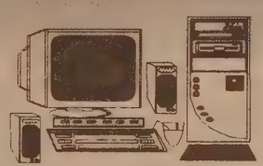
TECHNICAL RESCUE
All HW/SW
Upgrades & Repairs
Networking
(510) 293-1293

BEN GORDON
PC CONSULTANT

WINDOWS NT	NETWORKS
WINDOWS 95	INTERNET
WINDOWS 3.1	HARDWARE

650.755.2284

EtherNet Computer
offers **High Quality Product** *at*
Competitive Price



- Intel Triton 430TX w/512K
- 32MB 168-Pin SDRAM
- 1.7GB IDE Hard Drive
- Windows Accelerator w/2MB
- 14" Digital SVGA Monitor
- 16X CD-ROM IDE
- Yamaha 16-Bit Sound Card
- Mini Tower w/230W P.S.
- 120W Multimedia Speakers
- Win 95 Keyboard & Mouse
- Win 95 Full Version CD-ROM

Special
PENTIUM® 133MHz
Multimedia System
$749
Intel 430VX w/512K - 16MB - 1.7GB
8X CD-ROM - 16-Bits S/C - 14" SVGA
120W Speakers-Keyboard-Mouse

P5-166. . . . . $899
P5-200. . . . . $959
P5-MMX 166 . . . . . $929
P5-MMX 200 . . . . . $999
P5-MMX 233 . . . . . $1099

Call now for a FREE project estimate
Tel: 408-363-3945
2851 Monterey Rd. #10 • San Jose • CA 95111

LAN

Tell 'em you saw their ad in
MicroTimes

RPS TELEDATA
The LOW PRICE
Cabling Experts
Fiber-Optic • Twisted Pair • Coaxial
(510) 980-2714
CA Contractors License #688214

We make
accessing information as easy as talking

Inter & Intranet
Client/Server
Consulting & Implementation

Our expertise is in:
- Web Integration
- ORACLE: SQL Server
- UNIX, NT, Novell
- PowerBuilder LotusNotes Developer 2000
- C, C++
- HTML, JAVA, CGI

DataTalk Incorporated
Phone #: (415) 842-9960
www.datatalk-ca.com

CONSULTANTS' NETWORK

PROGRAMMING

Database Programming

♦ Visual **FoxPro**
♦ Microsoft **FoxPro** 2.x
♦ HTML & Perl **Web** Databases
♦ SourceMate & SBT **Accounting**
♦ NT & Novell **Network** Experts!

AccounTech
(408) 266-2660
Since 1983 • Member BBB

Microsoft
Visual FoxPro™
Professional Development
• Client Server • Internet • 15 Years Experience • Solid References • Data Modeling • Design Methods

NetBase Development Group
3 Windmill Place
Novato, CA 94945
www.netbasegroup.com
415-899-9637
415-899-9647 (fax)

We offer FREE Prototyping of Your application.
Microsoft CERTIFIED PROFESSIONAL

CUSTOM PROGRAMMING
Top-notch Experts
Low Rates
Object-Oriented Application Development
USING LATEST TOOLS

DOS, Windows, NT, 95,Unix,C, C++, VISUAL BASIC, ACCESS, INTERNET

Please Call
Software A to Z, Inc.
800-500-0625
408-263-0625
Satisfaction Guaranteed!

Custom Database Systems

• Client/SQL Server
• FoxPro
• Microsoft Access
• Visual Basic
• Visual C++
• Internet/Web
• NT & UNIX Networking
• Accounting

ST JOHN BUSINESS SYSTEMS
(510) 549-9165
SBS

SQL Tech
• MS-SQL Server
• Visual C++
• Windows NT
(510) 517-9382

---

www.microtimes.com

Windows & LANs
Custom software using Visual Basic - Access - C since 1979
SYSPRO Corp.
(510) 254-9755

VIDEO PROCESSING

Mad Dog Technologies
The Source For All Your Video Processing Needs

We'll Convert Any Video Content (Analogue Or Digital)
* Shoot video for Web Pages, * Spice up presentations,
* Enhance CD-ROMs, * Compress and Add Effects,
* Convert the final production back to videotape.

Downtown SF Location
625 Market St., Suite 608 • SF, CA 94105
(415) 495-1900 • www.maddogtech.com

CAREER MARKETPLACE

Jobs.

Here.

Enough said.

www.siliconvalley.dice.com

DATA PROCESSING INDEPENDENT CONSULTANT'S EXCHANGE

Don't gamble with your job search. Use DICE.

A Service of D&L Online, Inc: 515-280-1144

Programming Sales Networking

Professionals Needed

Please fax RESUME to:
Walt/SBS
Voice 510-549-9165
Fax 510-649-1804
PLEASE SEE OUR AD IN CONSULTING

for contract and part-time WORK.
Jobs available throughout Bay Area, can work at home.

LCI COMPUTERS
SOFTWARE ENTERPRISES

We are a small corporation with plans to become a major contender in the software and hardware marketplace. We are looking for bright, energetic talent to join our team and grow with us.

We are about to bring our first major general business product, **BIZVIEWS**, to market.

PROGRAMMER
MARKETING
SALES
TELEMARKETER
ADMIN PERSON

If you can fulfill one or more of the functions listed here, reside near San Francisco, have lots of drive, can work long hours if necessary, and can dedicate yourself to help us become a leader, then we would like to talk to you. Home-office environment gives us flexibility until our growth necessitates relocation.

In the **programming** area we are ideally looking for Visual dBase experience, or at least object-oriented, GUI, dBase, or similar experience, 2-5 yrs. or more. One project is to design a general ledger, so some accounting programming would be desirable. In the other areas we are looking for people with solid general business knowledge. Web and sales experience a plus.

FAX RESUME TO: (415) 564-4763 Visit our Web site at: www.lcibiz.com

PROGRAMMING

* * * A C C E S S / V B Programmer.*** Custom Windows Database development and training. Free, informative consultation. PAVLOV DOG Co. 510-540-1150.

---

http://objectiorientedgroup.com Professional software development in Visual Basic, Access, Foxpro, Powerbuilder using ORACLE, MS SQL Server, SYBASE. Client list includes: PG & E, Pacific Bell, Stanford Univ. and Aon Risk Services. Visit our web site or call 510-713-2906.

JOB TRAINING

WORDPERFECT EXPERT Training, optimization, productivity planning. Macros/ template automation. Profiled in InfoWorld and WordPerfect Magazine. 415-921-6850, email: WPEXPERT@delphi.com .

3D Animation Training at Mesmer Animation Labs! See our Ad and call 1-800-237-7311.

Mesmer Animation Labs is a Softimage Authorized Training Center and an Alias|Wavefront Authorized Training Center. See our Ad and call 1-800-237-7311.

Softimage Authorized Training Center and an Alias|Wavefront Authorized Training Center. Mesmer Animation Labs offers high-end 3D animation training courses in Microsoft Softimage 3D|Extreme and Alias|Wavefront PowerAnimator. See our ad & call 1-800-237-7311.

CAREER OPPORTUNITIES

FUTURE COMPUTING SOLUTIONS is seeking an aggressive sales professional with 3-5 years proven corporate sales experience. Strong knowledge of computer hardware required. Must have excellent oral/written communication skills. Fax resume to: 510-337-9036, e-mail: hsingh@fcsinet.com (MS Word Format)

PC Pros INFORMATION STAFFING – Jobs Available Now! *Technical: PC/Mac specialists, Database Programmers, Network Administrators, Minicomputer Operators, *Administrative: Word Processors, Data Entry, *Graphics/New Media: Graphic Artists, JAVA/Perl Programmers. Call **310-312-6600**/Fax: 310-479-8233. www.pcprosla.com

PROGRAMMING

ACCESS/VB Programmer. Custom Windows Database development and training. Free, informative consultation. PAVLOV DOG Co. 510-540-1150.

---

http://objectiorientedgroup.com Professional software development in Visual Basic, Access, Foxpro, Powerbuilder using ORACLE, MS SQL Server, SYBASE. Client list includes: PG & E, Pacific Bell, Stanford Univ. and Aon Risk Services. Visit our web site or call 510-713-2906.

JOB TRAINING

WORDPERFECT EXPERT Training, optimization, productivity planning. Macros/template automation. Profiled in InfoWorld and WordPerfect Magazine. 415-921-6850, email: WPEXPERT@delphi.com .

3D Animation Training at Mesmer Animation Labs! See our Ad and call 1-800-237-7311.

Mesmer Animation Labs is a Softimage Authorized Training Center and an Alias|Wavefront Authorized Training Center. See our Ad and call 1-800-237-7311.

Softimage Authorized Training Center and an Alias|Wavefront Authorized Training Center. Mesmer Animation Labs offers high-end 3D animation training courses in Microsoft Softimage 3D|Extreme and Alias|Wavefront PowerAnimator. See our ad & call 1-800-237-7311.

CAREER OPPORTUNITIES

FUTURE COMPUTING SOLUTIONS is seeking an aggressive sales professional with 3-5 years proven corporate sales experience. Strong knowledge of computer hardware required. Must have excellent oral/written communication skills. Fax resume to: 510-337-9036, e-mail: hsingh@fcsinet.com (MS Word Format)

PC Pros INFORMATION STAFFING – Jobs Available Now! *Technical: PC/Mac specialists, Database Programmers, Network Administrators, Minicomputer Operators, *Administrative: Word Processors, Data Entry, *Graphics/New Media: Graphic Artists, JAVA/Perl Programmers. Call **310-312-6600**/Fax: 310-479-8233. www.pcprosla.com

TRAINING

Computer Training

Windows '95 Level 1&2	Dec. 16-17
Word '97 Level 1,2 & 3	Dec. 15-17
Visual Basic 5.0	Dec. 10-12

For a complete schedule of classes or information about classroom rentals call: **408-866-8033** or send e-mail to: **info@dvdata.com**

DeVries Data Systems, Inc.

Computer College Silicon Valley

Hands-on Seminars

- Web Page Design/Java & JavaScript
- Windows 95/New Features Office 97
- Microsoft Office (Word, Excel, PowerPoint & Access)

See schedule at www.ccsv.com

415-369-3648 or 1-800-484-9998 x5511

UC Berkeley Extension

- Windows - NT Workstation + Server, 95
- Microsoft MCP/MCSE Certification
- Novell CNA/CNE
- PC Systems Specialist/Office 97
- Ascend & Cisco Routers

➤ CERTIFICATE PROGRAMS ➤

See Pages 189, 191, 192, 196 in Fall 1997 Catalog

Classes at Fremont & Oakland (Short walk from 12th St. BART)

(510) 642-4111

Cheyenne ARCserve for NetWare or Windows NT

RCS TRAINING CENTER INC.

Authorized Cheyenne Education Center

www.rcscorp.com

(510) 651-9056

Hands On Laser Repair Courses

Enroll Today!!

The Computer Resource Co.
55 New Montgomery St. Ste 222
San Francisco, CA 94105
(415)777-5449
Night & Weekend Courses

Build Your Client Base With MicroTimes

Your Success is our Goal!

Get the training you need to become a Microsoft® Certified

Windows NT 4.0 Professional...

- Complete Evening MCSE Program
- Microsoft Exchange Server 5.0
- 30% Savings on Complete MCSE Package
- Two Bay Area Locations: Fremont & San Jose
- Corporate Rates and On-Site Training
- 100% Satisfaction Guarantee

Evening MCSE Program
San Jose & Fremont Locations

Get Started Today!

1-888-825-MCSE

e-mail: training@unitek.com
www.unitek.com

Authorized Technical Education Center *Microsoft*

Unitek

MICROSOFT AUTHORIZED WINDOWS NT EDUCATION

General Motors Building, 39465 Paseo Padre Parkway, #2900, Fremont, CA 94538-2397
KSJO Building, 1420 Koll Circle, Suite B, San Jose, CA 95112
©1996 Unitek Corp. Some limitations may apply: Trademarks belong to their respective owners

---

Mesmer Animation Labs offers professional level, week-long classes on Microsoft Softimage 3D|Extreme, Alias|Wavefront PowerAnimator and NewTek LightWave 3D. Corporate training packages, both on-site and off-site, are also available.

Mesmer Animation Labs is a Softimage Authorized Training Center and an Alias|Wavefront Authorized Training Center.

MESMER ANIMATION LABS
SAN FRANCISCO • SEATTLE
1.800.237.7311 • WWW.MESMER.COM

Alias|wavefront
A Silicon Graphics Company

MESMER

SOFTIMAGE AUTHORIZED TRAINING CENTER

Microsoft® Certified Systems Engineer

FREE FREE FREE FREE

Certification Exam Preparation Workshop

Don't miss this opportunity to experience our computer-simulated practice exam for Microsoft certification.

Contact us today to reserve your seat!!!

Tel: (650) 692-8228 Fax: (650) 692-2838
E-mail: info@ntcom.com Web site: www.ntcom.com

NT Computing

1838 El Camino Real, Suite 111,
Burlingame, CA 94010
www.ntcom.com

Authorized Technical Education Center Microsoft

Microsoft® Certified Solution Provider

a 1997 NT Computing, Inc., All rights reserved.
Microsoft is a registered trademark of Microsoft Corporation.

MICROTIMES

"Unitek has been advertising with MicroTimes for many years. In an ever changing industry, your magazine continues to be a key factor in our growth by consistently delivering qualified buyers to our door."

David Ghadoushi
Unitek Computer Stores

Advertising Works

Coming Soon in

MICROTIMES

DECEMBER 15, 1997

Annual Dealer Guide

Our complete resource of Northern and Southern California retailers, service providers and consultants, and the services they offer. This issue serves as a year-round reference for our readers, so make sure your business is included!

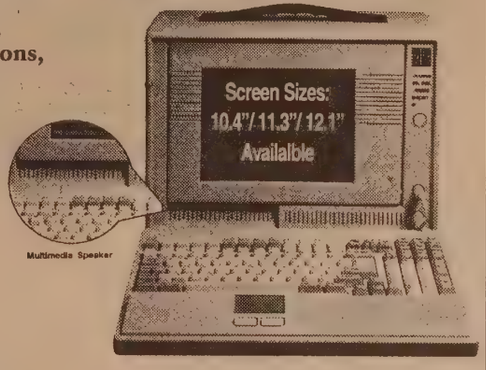
SINCE 1984, HI-TECH PORTABLE, SYSTEMS AND NETWORKS

www.songtech.com

COLOR LCD PORTABLE

Perfect for Engineers, MultiMedia Demonstrations, MIS Networking & Troubleshooting,

Perfect for Portable Hi-Tech Applications!

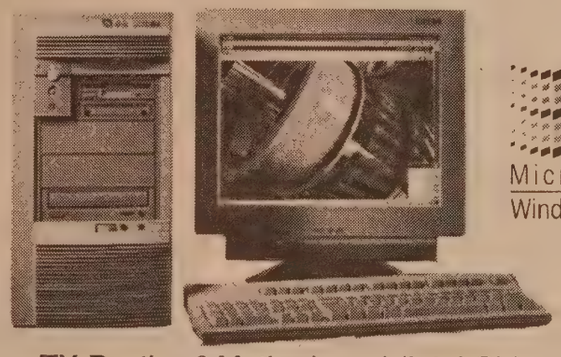


- 10.4" TFT (11.3" & 12.1" Optional) Active/Dual Scan Color LCD VGA Screen • 640x480, 800x600, 1024x768
- LCD SVGA Card w/1 or 2MB • Touchpad Built-In Keyboard
- Built-In Stereo Speakers • 3 Horizontally Mounted Drive Bays
- Weight: 22lbs. • User's Manual • Bag
- Detachable 102-Key Keyboard • 8 Expansion Slots
- Simultaneous CRT & LCD Operation

PORTABLE CASE SKD KITS

Paper White LCD 9.5", 640x480 .....CALL
Color LCD Dual Scan Passive Color, 800 x 600 12.1" .....CALL
Color LCD Active Matrix (TFT), 640 x 480 10.4" TFT .....CALL
Color LCD Active Matrix (TFT), 800 x 600 12.1" TFT .....CALL
Color LCD Active Matrix (TFT), 1024X768 12.1" TFT .....CALL

MULTIMEDIA SYSTEMS



Microsoft Windows 95

- Triton TX Pentium® Motherboard (Intel Chipset)
- 512K Cache • 16MB RAM • SVGA 2MB
- 3.0GB EIDE Hard Drive • 1.44MB Floppy Drive
- 24X CD-ROM • 15" SVGA Monitor
- 250W • uper Mini Tower Case
- 33.6 Internal Fax/Modem/Voice
- 16-Bit Sound Card • 104-Keyboard • Mouse
- Hi-Quality Speaker • Windows 95

Intel Pentium® MMX P-166/P-200. . . $1100/1175
Intel Pentium® 233MMX $1250

Complete Networking Service - Call Us For All Your Needs

CPU & MEMORY

INTEL
- Pentium® MMX P-233 ..... $300
- Pentium® MMX P-166/P-200 ..... 135/220
- Pentium® P-133/P-150 ..... 95/105
- Pentium® P-166/200MHz 140/215
- Pentium® II P-233/266MHz OEM 425/545

CX/CYRIX
- 6x86 (P-200+) 150 MHz $80
- CX 686 MX 200MHz-200 115
- CX 686 MX 166MHz-166 85

AMD/K5/K6
- AMD K6/166/200MMX $130/175
- AMD K5/P133 100MHz 90
- AMD K5/P166(133MHz) 95

SIMM
- 8Mx32-60 (32MB) FPM/EDO $80
- 4Mx32-60 (16MB) 40
- 2Mx32-60 (8MB) 22
- 1Mx32-60 (4MB) 12

DIMM/SDRAM
- 32MB DIMM 168-Pin ECC $85

MONITORS

- 14" SVGA .28mm NI Impression $160
- 15" SVGA .28mm NI Impression 215
- 17" SVGA .26mm NI Impression 425

CASES

- Mini Tower w/230W PS $25
- Super Mini Tower w/250W PS 30
- Medium Tower w/230W PS 40
- Fu.ll Tower w/230W PS 75
- 230W/250W Power Supplies 18/22
- ATX/300W Power Supplies 70

MOTHERBOARDS

- DFI Triton TX/512K $115
- DFI Pentium® Pro-200 150
- VIP/Pro/VX 256K/512K Cache 60

ADD-ON CARDS
Network, Controller, Video

- Diamond Stealth-64 PCI SVGA 2MB/4MB VRAM $110/150
- Trident SVGA PCI-64 9680 MPEG 1MB/2MB 30/40
- S3/765 SVGA PCI-64 MPEG 1MB/2MB 30/40

HARD/FLOPPY DRIVES

- Teac 1.44MB 3.5" FD $25
- Sony 1.44MB 3.5" Floppy 22
- 1.6GB IDE Seagate/Maxtor/Western Digital 155
- 2.0GB IDE Maxtor/WD 125
- 2.5/3.2GB IDE WD/Quantum 175/195
- 4.3GB IDE WD 240
- HP T-3000 3.2GB TapeBU 160

FAX/MODEM

- 56.6K Fax/Modem w/Voice $90
- 33.6K Fax/Modem w/Voice 50
- US Robotics33.6K w/Voice 105
- US Robotics 33.6K External 160
- US Robotics 56K w/Voice 150

MULTIMEDIA/CD-ROMS

- Sound Blaster 16 PnP $45
- Sound Blaster AWE-64 Value 78
- 240W Hi-Fi Stereo Speakers 30
- ESS 3D Sound Card 25
- 8X Mitsumi 55
- 16X Funai 65
- 24X Toshiba 75

NETWORKING

ITEM NO.	DESCRIPTION	PRICE
Bridge-888	EPP to SCSI Converter	$45
Cable Sniffer-R	Remote LAN Cable Tester	78
EH-16S	16-Port Ethernet Stackable Hub	105
FE-550	100/10TX PCI NIC for Mac/Realtek Chipset	48
PALMHUB-9ES	9-Port Ethernet Hub with STP Connectors	48
E453	100MB 32-BIT PCI Ethernet	18
LK820 LAN STARTER KIT	One 5-Port Ethernet Hub 3 PCI 10Base-T Ethernet Adapter 2 Pcs 15ft. 1 pc 30ft. UTP Cable	75
SOHO TOOL KIT	Cable Sniffer, Remote w/Tools and Plugs	105

Call For Pricing & More Information Dealer Inquiries Welcome www.songtech.com

SONGTECH INTL. Since 1984

46560 Fremont Blvd. #109, Fremont, CA 94538

(510) 770-9051

CORPORATE, EDUCATION & GOV T PO's WELCOME, RESELLERS WELCOME

Fax: (510) 770-9060

Dealer Inquires Welcome, Prices subject to change without notice, not responsible for typographical errors.

Notebooks ▸ Networks ▸ Repairs ▸ Upgrades

56K INTERNAL Fax Modem $79

Special Business Services

Networking • Administration • Onsite Service
Software Installation • Repairs • Upgrades
MDI is ready to help YOU!

3.5GB EIDE Hard Drive $169

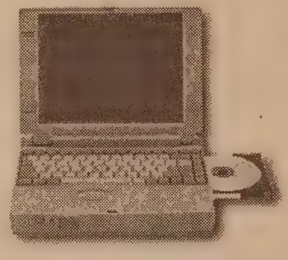
Networking Products Specials

Yamaha PNP Sound Card . $17	Iomag IDE Int. Zip Drive 100MB $98
Recordable CD $4.50	Iomag Zip Drive 100MB Disk . . $11
Intel EtherExpress Pro 100 PCI w/Twisted Pair. . . . $62	8-Port 10 BaseT Hub + 1BNC. $66

SCANNER UMAX 600S $165

PCMCIA 33.6 Fax/Modem $83	Upgrade to TFT Active Matrix $480
PCMCIA 56K Fax/Modem $148	Upgrade to 32MB Memory $65
PCMCIA Network Card Combo $75	Extra NMHD Battery $78

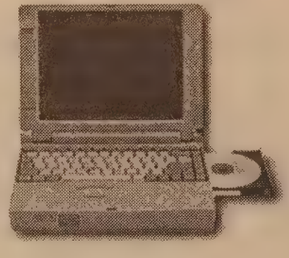
MDI/CHEMBOOK 6800 NOTEBOOK



- Pentium® Processor w/512K Cache
- Toshiba 2.1GB Hard Drive
- 16MB Memory
- 12.1" Dual Scan Screen
- 20X CD-ROM Drive Removable
- 800x600 16M True Colors
- 64-Bit PCI w/Graphics Accelerator
- Tree Type II or Two Type II and One Type III
- Modem Ring in Wake-Up on Power Management
- Built-in 1MB Mask ROM Hardware Wavetable
- Infrared IrDA and PIR/RCA Jack for TV-Out
- Hi-Tech Battery/Carrying Case/AC Adapter

Pentium® 133MHz $1579
Pentium® 200MHz MMX. $1689

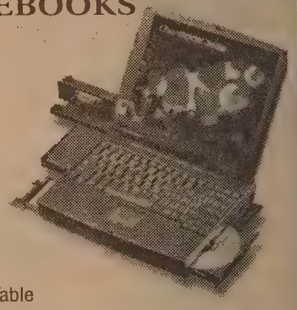
MDI/CHEMBOOK 6800XL



- Pentium® Processor w/512K Cache
- Toshiba 2.1GB Slim Hard Drive
- 16MB Memory • 4MB Video RAM
- 13.3" TFT Active Color Screen
- 20X CD-ROM/Speakers/Microphone
- 800x600 16M True Colors
- 64-Bit PCI w/Graphics Accelerator
- Tree Type II or Two Type II and One Type III
- Modem Ring in Wake-Up on Power Management
- Built-in 1MB Mask ROM Hardware Wavetable
- Infrared IrDA and PIR/RCA Jack for TV-Out
- Hi-Tech Battery/Carrying Case/AC Adapter

Pentium® 200MHz MMX. $2809
Pentium® 233MHz MMX. $2899

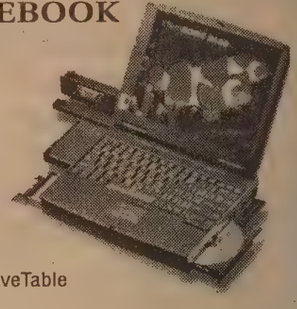
MDI/CHEMBOOK 2600 NOTEBOOKS



- Intel Pentium® CPU w/MMX up to 233MHz
- Intel Mobel Triton II 430TX Core Logic
- 12.1" Dual Scan Display
- 16MB Memory
- Full Duplex Sound /2nd/3rd Hard Drive
- 20X CD-ROM Drive, Removable
- Toshiba 2.1GB Slim Hard Drive
- 64-Bit PCI Video Controller with Graphics Accelerator
- EDO Memory up to 128MB • 2MB EDO Video Ram
- 2 Smart Bays, Supports 2nd & 3rd Hard Drive
- 2 Type II or 1 Type III PCMCIA • CardBus & Zoomed Video
- 16-Bit Stereo/3D Sound System with Hardware WaveTable
- Hi-Tech Battery/Carrying Case/AC Adapter

Pentium® 200MHz MMX. $1738
Pentium® 233MHz MMX. $1828

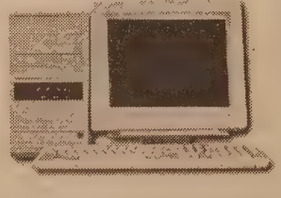
MDI/CHEMBOOK 2700 NOTEBOOK



- Intel Pentium® CPU w/MMX up to 233MHz
- Intel Mobel Triton II 430TX Core Logic
- 14.2" TFT Display
- Toshiba 2.1GB Slim Hard Drive
- 16MB Memory • 4MB EDO Video RAM
- 64-Bit PCI Video Controller with Graphics Accelerator
- SRAM Memory up to 128MB
- 2 Smart Bays, Supports 2nd & 3rd Hard Drive
- 20X CD-ROM Drive, Removable
- 2 Type II or 1 Type III PCMCIA
- CardBus & Zoomed Video
- 16-Bit Stereo/3D Sound System with Hardware WaveTable
- Hi-Tech Battery/Carrying Case/AC Adapter

Pentium® 200MHz MMX. $3058
Pentium® 233MHz MMX. $3148

PENTIUM® PCI MULTI-MEDIA SYSTEM

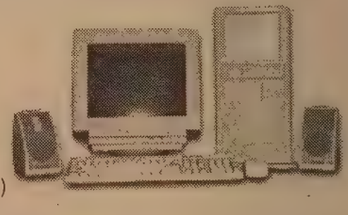


Intel i430 VX Motherboard / 512K Cache
16MB Memory EDO 60ns
1.7GB Fujitsu Hard Drive
1.44MB Floppy Disk
S3 3D w/2MB Memory Video Card
Mid Tower Case w/250W Power Supply
104 Windows 95 Keyboard / Serial Mouse (Mitsumi)
16X CD-ROM IDE, Yamaha 3D Sound Card, Win 95
33.6K Internal Fax/Modem
60W Speakers
Main Brand 14" NI .28 1024x768 Monitor

Pentium® 133 System. $758
Pentium® 200MMX System. $908
Pentium® 233MMX System. $1018

5 Year Labor Warranty

PENTIUM® II 300 /NETWORK SERVER



Pentium® II Motherboard
32MB EDO RAM
1.44 MB Floppy Disk
3.5GB Hard Drive
Diamond 3D 3000 Super VGA Card w/4MB
ATX Mid Tower Case w/250W
24X CD-ROM IDE, Win 95
Yamaha 3D Sound Card, 120W Speaker
104 Windows 95 Keyboard / Serial Mouse (Mitsumi)
56K Internal Fax/Modem w/Voice

Pentium® II 233 System. $1388
Pentium® II 266 System. $1568
Pentium® II 300 System $1698

5 Year Labor Warranty

INTEL PROVIDENCE DUAL PRO SERVER SYSTEMS AVAILABLE!

MDI technology inc.

(510) 668-0813
FAX: (510) 668-0713
43004 Christy Street, Fremont, CA 94538
Office Hours: M-F: 9:30- 6:00, SAT. By Appointment • Email: FLIUMDI@AOL.COM

Terms & Conditions: Not responsible for type errors. One Year Parts & 2 Years Labor Warranty on systems. All prices reflect 3% cash discount. Prices are subject to change w/o notice.

Netscape: MicroTimes, California's Computer Magazine
Home
Reload
Images
Open
Print
Find
Location: http://www.microtimes.com/
What's New?
What's Cool?
Destinations
Net Search
People
Software
MICROTIMES
Welcome to the MicroTimes Web Site!
Issue #171 focuses on the issue of Intellectual Property, which in its various forms is crucial to the high-tech industry.
Our cover story profiles Digimarc, a Portland-based startup that's parlaying founder Geoff Rhoads' "digital watermark" technology into a promising rights-management system for digital media. Creative marketing director Larry Logan explains the technology and the business model; Rhoads himself supplies additional technical detail.
David Noack contributes an article on the ongoing battle between software vendors and software pirates; Ivars Beaidachi takes a look at the state of copyright as the Internet makes it ever easier to reproduce just about anything. Finally, Jim Warren serves up an encore performance of his Washington
Document: Done

MICROTIMES ON THE WEB

Coming Soon To www.microtimes.com

- The new, updated, **searchable Dealer & Service Guide**, to help you find a convenient store or service provider for all your computing needs.
- **The Eleventh Annual MicroTimes 100**—This year's list of honorees who, for one reason or another, had a positive impact on the world of personal computing in 1997!

Now Available:

- Find past stories fast—a **searchable database** of past *MicroTimes* stories is on this site. You can search by title, author, and/or subject.
- More listings in the **Great Mall**—visit our advertisers' Web sites for great deals and helpful info.
- Reader-submitted **Web listings** for your Net-surfing pleasure.
- **SuperStop listings** and a searchable database to help you find a copy of *MicroTimes* fast!

MicroTimes offices: 1300 Clay St., Ste. 820, Oakland, CA 94612 (510)768-1200
6767 Forest Lawn Dr., Ste. 110, Los Angeles, CA 90068 (213)851-8600 • 801 E. Katella, Ste. 210, Anaheim, CA 92805 (714)939-2809

Santa On The Net *continued from page 60*

could be a real savings if you have enough online friends. Click to the Store Directory icon to find the Feliz Navidad Shop, where you can purchase Southwestern Christmas gift items.

Letters From Santa

Several other sites offer personalized letters from Santa for a small fee:

• **Greetings From The North Pole** *(www.polarnet.com/users/santa)* comes straight from the North Pole—Alaska, that is. While you listen to "Here Comes Santa Claus," you fill out a form with personal info, such as names of friends, relatives, hobbies and pets. The cost is from $3.50–$5. There's also free email to Santa, and a "Days Left to Christmas" area.

• **Personalized Letters From Santa** *(www.windhill.com/santa)* comes from a New Hampshire locale and plays a jazzy version of "Rudolph" while you decide on your $3 letter. If you happen to live in NH, you can inquire about Christmas hayrides offered by Windhill Farms, the Web site host.

• **Santa's Letter Shoppe** *(www.cybrgem.com/santa)* lets you purchase personalized letters in bulk—the more you buy, the cheaper it is. The colorful Santa letter is $4.95 for one, $15 for four.

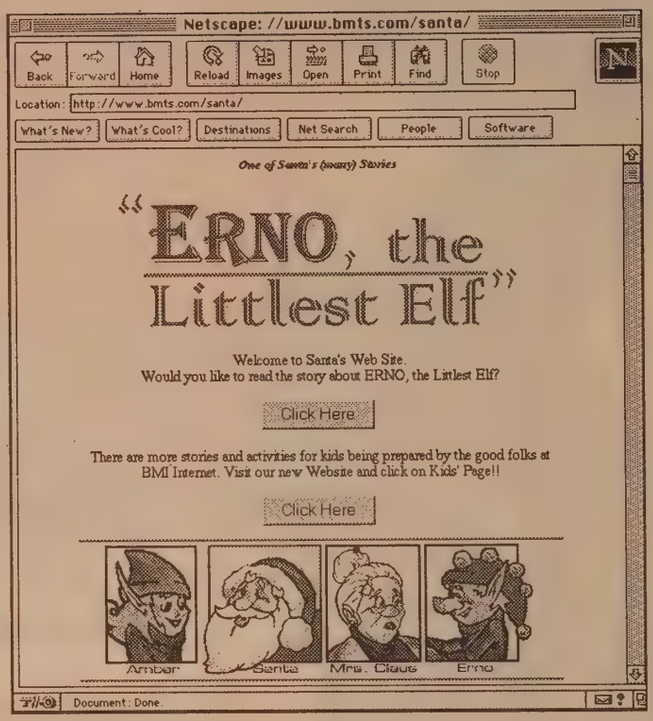
Broadcast Your Gift List

• If you really want to make sure you get what's on your Christmas list, try **Santa's List** *(kumo.swcp.com/santa)*. You select from a menu that includes athletic equipment, artwork, autos, books, camping equipment, furniture, jewelry, music, tools, and much, much more. Each category is broken down into sub-categories, such as types of book, fiction, and non-fiction. Then there's a line to put the specific make, model or size for every gift on your wish list. After you finish, send it via email to all your lucky friends.

Seems a bit too commercial to me. Either you'll get just what you want or lose lots of friends.

A Santa Miscellany

• I usually just look skyward on Christmas Eve to see if I can spot Santa flying by. But to personally plot his journey, check out **Santa Tracker** *(www.eaze.net/~cituis/santa.htm)*. PC owners can download a tracking program for updates (supplied by elves, of course) on Santa's whereabouts. Also at this site are Christmas songs, Santa sounds and stories.



Forget about sending that most important letter to Santa via snail-mail. If you have access to the Internet and email, your wish list to that jolly old elf at the North Pole is just a click away.

• **Santa's Web Site** *(www.bmts.com/santa)* is a cute spot that offers the story of Erno, the Littlest Elf. Kids (or adults) also can check out the day by-day preparations at the North Pole leading to December 25.

• The **Christmas Clip Art** page *(www.geocities.com/HotSprings/2210/noel.html)* offers areas to download all types and sizes of Christmas clip art to brighten up your holiday correspondence. It includes several different Santas, candy canes, wreaths and bells. Also at this site are Christmas poems in German, and American/English Christmas songs played on an organ.

• **Santa Dolls** *(www.avicom.net/santa)* is the place to buy hand-made Santa dolls, complete with fur robes. The dolls are made of porcelain and no two are alike. Prices are a bit steep ($300 and up), but there's lots to choose from, and they are originals.

• The **National Christmas Tree Association** *(www.christree.org)* gives tips on how to select and care for your Christmas tree and where to find local merchants. Did you know that Christmas trees grow in every state including Hawaii and Florida?

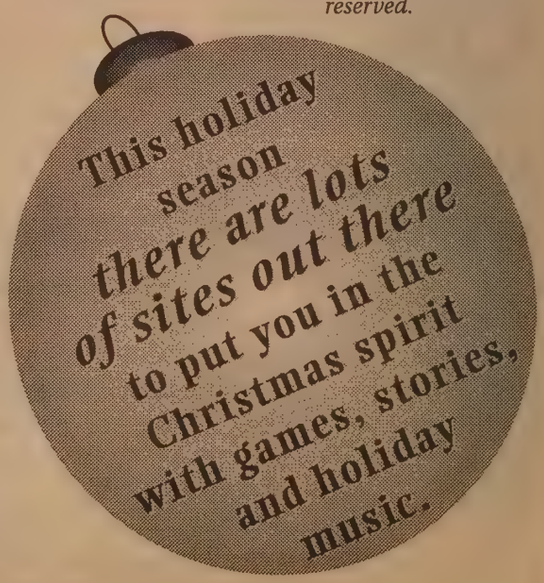
Remember, 'Tis Better To Give...

• And finally, a site where you can contribute to the spirit of Christmas. This one, also called **Santa's Workshop** *(www.rossgita.com/santa)* has a special delivery program.

Since the "elves" can only do so much, visitors are asked to help with Santa's Special Delivery program which distributes gifts and important household items to those who truly deserve some Christmas cheer. According to host Ross Kurzer, they accept individual and corporate donations, then pass out gifts through the holiday season and beyond. Donors are honored with mentions on the Web site. For more information on this and additional holiday stories and links, click on over.

Happy Holidays! ■

Copyright © 1997 by Jill Barnes. All rights reserved.


This holiday season there are lots of sites out there to put you in the Christmas spirit with games, stories, and holiday music.

Special Same-Day Service • System Specialist • Since 1990
5-Year Labor & 1-Year Parts Warranty on All Computers

MULTIMEDIA-KIT
w/24X CD-ROM Drive, Sound 16, 60W Speakers
$129 installed

33.6/56.6 Int. Fax/Voice Modem
$69/99 installed

17" Monitor Digital Control
16.2" Viewable
$429

3.5GB Hard Drive
UDMA
$209

MOTHERBOARD & CPU
High Performance Motherboard with Intel Triton III 512K & Intel Pentium® 166MHz w/MMX
$239

MOTHERBOARD & CPU Upgrade
Intel 430TX, 512K, USB, W-AMD K6, MMX 200MHz
$299

SUPER PERFORMANCE
- Intel Triton Motherboard
- 512K Pipeline SRAM Cache USB
- 32MB/EDO RAM
- 5GB Fujitsu 10ms EIDE Hard Drive
- 1.44MB Floppy Drive
- 17" NI SVGA .28,
- ATI 3D/64-Bit 4MB
- 56K Int. Fax Modem w/Voice 56K
- 24X EIDE CD-ROM Drive
- Sound Blaster 64 PnP
- 160W Stereo Speakers
- PCI-EIDE Built-in Hi-Speed I/O
- Mid-Tower Case w/250W PS
- Qtronix 104-Key Win 95 Keyboard
- 3-Button Mouse w/Pad
- Windows 95

AMD K6-200..... $1599
AMD K6-233..... $1699
PII 233/266..... $CALL

PERFORMANCE SYSTEMS
- High-Performance Motherboard w/Intel Triton III, 512K USB Pipeline Cache
- 16MB EDO RAM
- 1.2GB Hard Drive
- 1.44 Floppy Drive
- 14" NI SVGA Monitor .28
- PCI SVGA Video Card w/1MB
- 33.6 Fax Modem w/Voice
- PCI Controller with I/O
- Medium Tower Case
- Enhanced 104 Keyboard
- Mouse & Mouse Pad
- Windows 95

Fax Modem Included!

Pentium®-100..... $859
Pentium®-120 ..... $869
Pentium®-133 ..... $889
Pentium®-166 ..... $929

PERFORMANCE MULTIMEDIA
- P-5 Motherboard w/512K USB Cache
- 16MB EDO RAM
- 1.7GB Hard Drive
- 16X CD-ROM Drive
- 1.44 Floppy Drive
- 15" NI SVGA Monitor .28
- PCI/64-Bit 2MB (MPEG)
- 33.6 Int. Fax Modem w/Voice
- 16-Bit Sound Card
- 60W Stereo Speakers
- PCI Controller with I/O
- Medium Tower Case
- Enhanced 104 Keyboard
- Mouse & Mouse Pad
- Windows 95

Fax Modem Included!

Pentium®-100..... $1049
Pentium®-120 ..... $1059
Pentium®-133 ..... $1079
Pentium®-166 ..... $1129
Pentium®-200 ..... $1189

HI-PERFORMANCE MULTIMEDIA
- P-5 Motherboard w/512K USB Cache
- 32MB EDO RAM
- 3.5GB Hard Drive
- 24X CD-ROM Drive
- 1.44 Floppy Drive
- 17" NI SVGA Monitor .27 Digital
- PCI/64-Bit 2MB (MPEG)
- 56.6 Int. Fax Modem
- 16-Bit Sound Card
- 60W Stereo Speakers
- PCI Controller with I/O
- Medium Tower Case
- Enhanced 104 Keyboard
- Mouse & Mouse Pad
- Windows 95

Fax Modem Included!

Pentium®-100..... $1299
Pentium®-120..... $1309
Pentium®-133..... $1329
Pentium®-166/MMX.... $1379/1399
Pentium®-200/MMX... $1449/1489

SUPER PRO PERFORMANCE
- Intel Venus Motherboard
- Intel Natoma Chipset (ATX Form Factor)
- 256K Pipeline Burst Cashe
- 64MB EDO RAM
- 4GB EIDE Hard Drive, 10ms (5400 rpm)
- 1.44MB Floppy Drive
- ATI 3D 4MB
- US Robotics 56.6 Fax Modem w/Voice
- 24X EIDE CD-ROM Drive
- EIDE Controller 4HD/2FD w/16550
- Sound Blaster 64 PnP AWE
- Mid-Tower (ATX) Case w/CPU Cooling Kit
- 500W Stereo Speakers
- Keytronic Win 95 Full Version
- Logitec 3-Button Mouse
- Windows 95 Full Version
- 30 CD Titles Includes

Pentium®-200..... $1789
Pentium® II 300..... CALL
Monitor Not Included

MOTHERBOARDS w/ CPU
Intel Pentium® 512K PBSRAM USB
- w/ 100/120/133 ..... 159/169/189
- w/ 150/166/200 ..... 195/219/289
- w/ MMX 166/200/233 ..... 229/329/469
- w/ K6 MMX 166/200/233 ..... 249/339/449

Intel Motherboard Venus USB
- w/ Pentium® Pro 180/200 ..... 419/629

Supermicro Board ASUS Micronic
- Pentium® II w/233/266 ..... 769/969

NETWORK CARD
NE2000 16-Bit 29
SN-3200 PCI 32-Bit 35
3C 10-BT PCI 79
3C-10/100 BT 89

VIDEO CARDS
PCI MPEG 64 Accelerator
- 1MB/2MB/4MB 35/45/75

ATI 3D Graphic Pro
- w/2MB/4MB/8MB 79/109/249

Diamond Stealth 3D Pro 64
- w/ 2MB/4MB 82/99

Matrox Mystique/Millennium
- w/ 2MB/4MB 105/139/239/309

MEMORY
4MB/8MB 60ns 25/35
16MB/32MB 60ns 59/109

CPU
Intel Pentium®
- 100/120/133/ 79/89/109
- 150/166/200 ..... 115/139/159
- MMX166/200/233 ..... 209/259/369

AMD K6 w/MMX 166/200/233 ... 149/229/339
Cyrix P200+ 85
Cyrix M2 200 MMX 159

HARD DRIVES
1.2/1.7 Fast IOMS, 5400 RPM 129/149
2.1/2.6 Fast IOMS, 5400 RPM 165/189
3.5/4.3 Fast IOMS, 5400 RPM 209/659
5.1/6.4 Fast IOMS, 5400 RPM 319/359
SCSI II UW SCSI ..... Call

CONTROLLER-ZIP DRIVE & TAPE BACKUP
SCSI-2 2940 PCI 159
SCSI-U 3940 PCI Ultra 179
SCSI-3 2940 w/W 199
Zip Drive Iomega 100MB 139
Zip Drive 2GB-Tape Back Up 139
Jaz 1GB 295

FAX/MODEMS w/ VOICE/SPEAKERS
Zoltrix 33.6/56K 69/99
USR 33.6/56K 109/159

Others Not Listed - Please Call

CD-ROM & SOUND CARD
20X/24X 95/99
Sound 16-Bit PnP
ESS or Yamaha 25
Sound 16 Blaster 59
Sound Blaster 32/64 AWE PnP 75/99

DELUXE CASES
Mini Towercase 39
Medium Tower 49
Full Towercase 89
Desktop Case 59

ATX Type Please Call

MOUSE & KEYBOARD
Microsoft Compatible 3 Button 9
Microsoft Mouse w/System Purchase Only 29
Microsoft Mouse w/Wheel w/System Purchase 49
Logitech Mouse 2/3 Button 19/29

MONITORS
SVGA Low Radiation
14" SVGA NI Digiview 169
15" Digiview Digital 229
17" SVGA Digiview Digital 429
17" SVGA Digital .25 489

MULTIMEDIA KIT
24X CD-ROM Multimedia Kit
24X EIDE CD-ROM Drive
16-Bit Sound Card PnP
60 Watts Stereo Speakers
w/Adapter 129

TROUBLESHOOTING & UPGRADING LABOR CHARGE FOR:
System Diagnostic & Checkup/Cleanup 20
Multimedia Kit Installation 20
Fax & Modem Installation 20
Motherboard Upgrade Installation 30
Video Card/Hard Drive Installation 10
Hard Drive Transfer 30
Software Installation & Setup ..... 25/Hr.

On-site Service Charge.....60/Hr.
Network On-site Service Charge.....100/Hr.

SAME-DAY SERVICE

WE REPAIR:
All Computer & Laser Printers

WE SELL:
Refurbished Printer Parts

COMTEK Computer
Since 1990

DUBLIN
6602 Dublin Blvd., Dublin, CA 94568
(510) 803-1530
Fax: (510) 803-1531

HOURS:
M-F 10-6
Sat 10-4

SANTA CLARA
5029 Stevens Creek Blvd., Santa Clara, CA 95051
(408) 249-4297
Fax: (408) 249-2370

Text-Based Adventures *continued from page 62*

puzzles are even better than those of *Humongous Cave*. *Zork I* is quite possibly the best-selling adventure of all time.

It starts near a deserted old house, over an underground cave. You have to find nineteen treasures, and solve several intriguing puzzles. All three of the Zork games were originally written as one game for mainframe computers, as was *Adventure*, so there are clues for all three in each.

In *Zork II*, you start out where the first one ends. This one you have to think a bit more to solve all the puzzles. In this game, things happen a little more randomly than in *Zork I*. You face a sometimes-infuriating wizard who is a senile old coot, a curious dragon, a princess, and other equally fascinating characters. The ending is quite neatly done, and it leads you into *Zork III*.

Zork III is the conclusion of the trilogy, and the ending episode is the best in the series. You start where *Zork II* leaves off, needing just seven more points to win. The fun is in figuring out whom you can trust, and where the story is heading next. If you are planning to play this one the same way as the previous two, you'll never get anywhere. Instead, you'll have to be trusting, show mercy, and be sensitive to other characters in the storyline.

After you solve the adventure, you may discover why you are there, and what was the meaning of all that you see. As in all Infocom games, the way the game plays and vocabulary are quite excellently done. Infocom pays better attention to detail than most other companies do.

Activision bought Infocom years ago, and until recently hasn't really done much with the label (the next wave of Infocom games from Activision are multimedia CD-ROM adventures with titles like *Return to Zork*, *Leather Goddesses of Phobos II*, *Planetfall: The Search for Floyd*, and *Zork Nemesis*). Various Infocom anthologies have been published since, and can be found at *http://www.cdromsonline.com/infocom.htm* .

Most recently, Activision once again released the games on a single CD called *Masterpieces of Infocom*. This one CD contains thirty-three games, all the documentation, hints, and maps in Adobe Acrobat format, plus six winning games from the SPAG Interactive Fiction Contest. The

continued on page 224

After you solve the adventure, you may discover why you are there, and what was the meaning of all that you see. As in all Infocom games, the way the game plays and vocabulary are quite excellently done.

Tsoft Internet

Dial-up • Shell • Web Hosting • Co-Location • Dedicated

PPP Account . . . . . $19.95/mo.
- Unmetered Modem access up to K56Flex (28.8/36.6Kbps too); for single person.

PPP/Shell Account . $25.95/mo.
- PPP w/ a BSD Shell Account
- 20MB space for homedir and Web included
- Optional custom domain name $7/mo.

Charter ISDN Account $39.95/mo. (limited qty)
- Unmetered - No hourly Internet Fees!
- 1B/2B (56-128 K) with modem backup
- Optional BSD Shell account $6/mo.

Standard ISDN Account . . . . . $19.95/mo.
- 1B/2B (56-128K) with modem backup; 40 B-hours included, $0.50/hr. additional
- Optional BSD Shell account $6/mo.

UnMetered 128K ISDN $39.95/mo.

Dedicated Modem . . $100/mo.
- 24x7 PPP access, static IP
- Multiple IPs add $20/mo.

Dedicated 24x7 ISDN available
Servers Co-location from $149/mo.

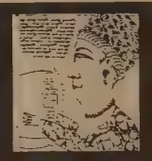
Access numbers local to the entire Bay Area!
Including Santa Cruz, Boulder Creek, north to Vallejo, Fairfield, Santa Rosa and the surrounding areas!

No Set-up Fee on Dial-up Services

30 Day Guarantee!

Give us a call at (510) 843-8763 or visit http://www.tsoft.com/services

Big Presents. Not-so-big prices.



You want a computer but you don't want to spend a lot. You go to Computer Renaissance, see the great selection and great prices. You smile, approach a highly-qualified Computer Renaissance person and get just the computer you want, warranty and all, and you have enough left over for mistletoe . . . or whatever.

280 Metro Center
Colma, CA 94014
(650) 758-1181

Computer RENAISSANCE

5263 Prospect Rd *(near Lawrence Expwy.)*
San Jose, CA 95129
(408) 873-8070

We buy, sell, trade used and new computer equipment.

INTERNET ACCESS

VALUE ▲ QUALITY ▲ SERVICE

The Highest Possible Quality at the Least Possible Cost

- Full Service Internet
- Personal Accounts
- Business Accounts
- Expert Tech Support
- Web Design Services
- K56 Flex Digital Modems
- Multiple T1 Connections
- No minimum Contract
- Co-Location Services
- Redundant Fiber Optic Backbone
- Daily Backup
- Dedicated T1s

DIAL-UP
56K Flex Internet Access
E-mail, WWW, USENET, IRC, FTP, IRC, etc.
FREE
- Netscape Navigator™
- 10MB for your web site

$19.95/mo.
No Set-up Fee!
Unlimited Usage

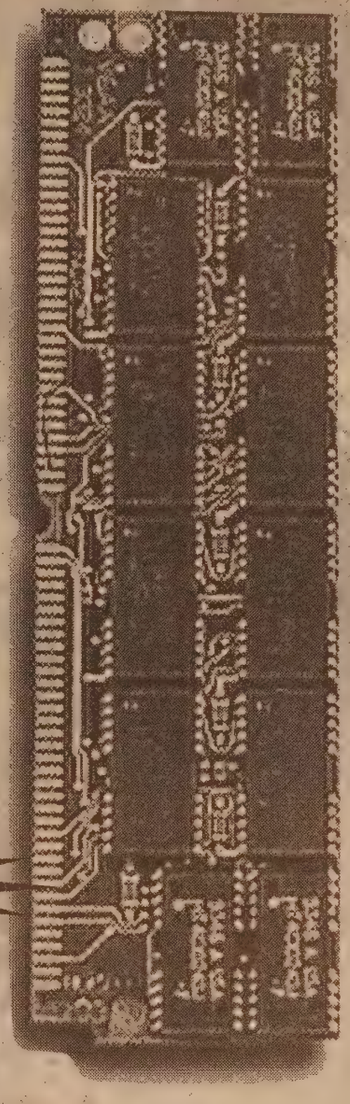
LOCAL SF BAY AREA DIAL-UP ACCESS –
- North to Santa Rosa
- South to Santa Cruz

(510) 293-0633
http://www.tdl.com

THE DIAMOND LANE
FAST LANE TO THE INTERNET

Trademarks registered to their respective owners.
© 1997 THE DIAMOND LANE. ALL RIGHTS RESERVED.

DON'T TRASH IT, CASH IT!



WE WILL BUY YOUR OLD MEMORY

EXCHANGE YOUR 72 PIN SIMMS TO 168 PIN DIMMS,
OR EXCHANGE YOUR 80NS & 70NS MEMORY
FOR 60NS SIMMS TO KEEP UP WITH YOUR FASTER SYSTEM.

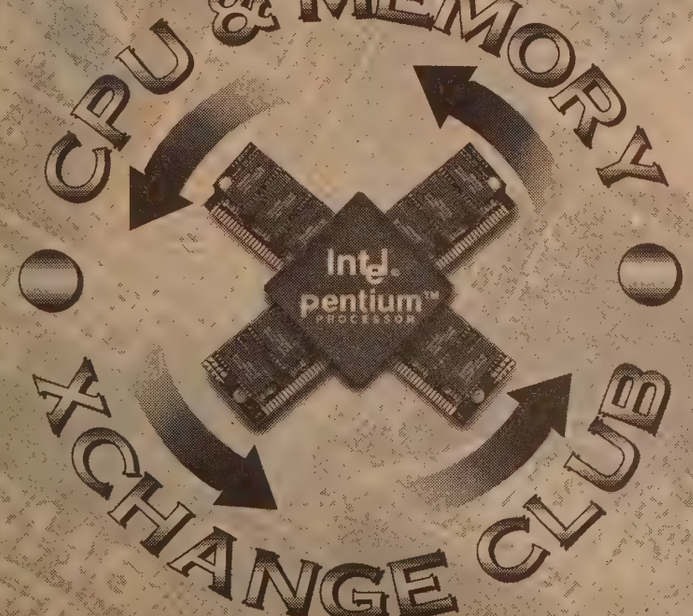
ALL TYPES OF DIMMS ARE CURRENTLY AVAILABLE:
Buffered • Unbuffered • 3.3 or 5.0V

WE HAVE IT!

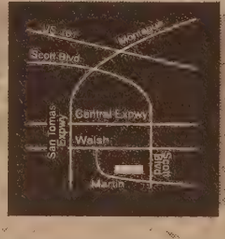
SELL YOUR OLD MEMORY TO US.

- Does your new system board require 72-pin SIMMs?
- Want to upgrade from 8MB to 16MB or higher, but all your memory expansion slots are full?
- We also trade-in notebook memory!
- Wish to trade-in your 30-pin SIMMs for 72-pin SIMMs?

TRADE YOUR OLD MEMORY WITH US.



Yes, We Accept Corporate Purchase Orders
(subject to credit approval)



Santa Clara
CPU & Memory Xchange Club
2450 Scott Blvd., Ste. 307, Santa Clara, CA 95050
Tel: (408)654-9090 • Fax: (408)654-9463
Office Hours: M-F 9-6 • Sat 11-4

San Francisco
CPU & Memory Xchange Club
225 Bush St. #164, San Francisco
Tel: (415)288-9460 • Fax: (415)288-9469
Office Hours: M-F 9-6 • Sat 11-3

ATM DISCOVER VISA MasterCard AMERICAN EXPRESS

Pentium is a trademark of Intel Corporation. Prices and specifications are subject to change without notice.
All product names or company names are trademarks or registered trademarks of their respective companies.
© Copyright 1995 CPU & Memory Xchange Club

Excellent Computers & Networks Since 1990

POWER SERVER INTEL DUAL PENTIUM® II

- Intel DK440LX AGP Motherboard
- 64MB High Performance SDRAM (10ns)
- 1.44 Floppy Drive
- 4.1GB SCSI Hard Drive
- ATI 3D Expert Work AGP w/8MB
- Toshiba 24X Speed CD-ROM Drive
- Intel EtherExpress Pro 10/100 Network Card
- Adaptec 7895 Dual Channel SCSI w/RAID Support
- Yamaha Sound Card w/Yamaha Stereo Speakers
- Deluxe ATX Full Tower w/3 Cooling Fans
- Mitsumi Windows 95 Keyboard
- Microsoft NT Workstation
- Microsoft PS/2 Mouse w/Pad Monitor Sold Separately

Intel Pentium® II MMX 266/300 .....$2698/2958

ENTERPRISE PRO INTEL PENTIUM® II

NETWORK READY

- Intel AL440LX AGP Motherboard
- 32MB High Performance SDRAM
- 1.44 Floppy Drive
- 4.2GB EIDE Hard Drive
- ATI 3D Expert Work AGP w/4MB
- Toshiba 24X Speed CD-ROM Drive
- Intel Etherpro 100Mbp Network Card
- Yamaha Sound Card w/Yamaha Stereo Speakers
- Deluxe ATX Medium Tower
- Mitsumi Windows 95 Keyboard
- Microsoft PS/2 Mouse w/Pad
- Microsoft Windows 95 w/CD & Manuals
- 17" SVGA Color Monitor

Intel Pentium® II MMX 233/266 .....$1888/1988
Intel Pentium® II MMX 300 .....$2198

SMALL BUSINESS PRO

- Intel AL440LX AGP Motherboard
- 32MB SDRAM
- 2.6GB Enhanced IDE Hard Drive
- 1.44 Floppy Drive
- Diamond 3D 2000 w/2MB
- 24X CD-ROM Drive
- Deluxe ATX Medium Tower
- Yamaha Sound Card w/Yamaha Stereo Speakers
- Mitsumi Window 95 Keyboard
- PS/2 Mouse w/Pad
- Microsoft Windows 95 w/CD and Manuals
- Microsoft Office Pro 97 for Small Business
- 15" SVGA Color Monitor

Intel Pentium® II MMX 233 .....$1688
Intel Pentium® II MMX 266 .....$1858
Intel Pentium® II MMX 300 .....$2088

NETWORK PC

- Intel Triton VX 97 Motherboard w/512K PB Cache
- 16MB EDO RAM (60ns)
- 1.7GB EIDE Hard Drive
- 1.44 Floppy Drive
- PCI 64-Bit SVGA w/1MB
- 8X Speed EIDE CD-ROM Drive
- 3COM 3C509 Ethernet Card
- Mitsumi Windows 95 Keyboard
- Deluxe Mini Tower
- MS Compatible Mouse w/Pad
- Microsoft Windows 95 w/CD & Manuals
- Monitor Sold Separately

Intel Pentium® 150MHz $668
Intel Pentium® MMX 200 .....$778
Intel Pentium® MMX 233 .....$898
AMD K6 MMX 200 .....$778

MULTIMEDIA PERFORMER

INTERNET READY

- Intel Anchorage Motherboard w/512K PB Cache
- 32MB DIMM SRAM, 10ns
- 4.3GB EIDE Hard Drive
- 1.44 Floppy Drive
- 24X EIDE CD-ROM Drive
- Diamond Stealth 3D w/4MB
- Yamaha Sound Card w/Yamaha Stereo Speakers
- 56K Internal Fax/Modem w/Voice
- Mitsumi Windows 95 Keyboard
- Deluxe ATX Medium Tower
- MS Compatible Mouse w/Pad
- Microsoft Windows 95 w/CD & Manuals
- 15" SVGA Monitor

Intel Pentium® MMX 166 .....$1218
Intel Pentium® MMX 200 .....$1328
Intel Pentium® MMX 233 .....$1428

MULTIMEDIA VALUE

- Intel Pentium® Processor
- Asus VX 97 Motherboard w/512K PB Cache
- 16MB RAM, 60ns
- 1.7GB EIDE Hard Drive
- 1.44 Floppy Drive
- 24X CD-ROM Drive
- 3D Sound Card
- PCI SVGA w/2MB MPEG
- PCI EIDE with I/O
- Yamaha Sound Card w/Yamaha Stereo Speakers
- Mitsumi Windows 95 Keyboard
- Deluxe Mini Tower
- MS Compatible Mouse w/Pad
- Microsoft Windows 95 w/CD & Manuals
- 15" SVGA Color Monitor

Intel Pentium® MMX 166 .....$866
Intel Pentium® MMX 200 .....$988
Intel Pentium® MMX 233 .....$1068
AMD K6 MMX 200 .....$1068

12" MULTIMEDIA NOTEBOOK

- 256K L2 Cache
- 10X CD-ROM
- 3.5" Floppy Drive
- 16-Bit Stereo Sound System
- 2MB Video RAM, MPEG
- One PCMCIA Type III or Two Type II Slot
- ZV Port for MPEG Card Supports CDi Movie
- Multiple I/O Ports
- One TV-Out Port for Display on TV Set
- Built-in Infrared Port forWireless Remote Communication
- Ni-MH Duracell Smart Battery System
- Touch Pad Pointing Device

12.1" Display	CPU	Dual Scan	Active Matrix
w/16MB	P-150	$1658	$2158
1.3GD	P-166MMX	$1698	$2198
10X CD	P-200MMX	$2088	$2588

14.2" PERFORMANCE NOTEBOOK

- 256K L2 Cache
- Windows Accelerator w/2MB Video RAM, MPEG
- 20X CD-ROM Drive
- 3.5" Floppy Drive
- 16-Bit Stereo Sound System
- One PCMCIA Type III or Two Type II Slot
- ZV Port for MPEG Card Supports CDi Movie
- Multiple I/O Ports
- One TV-Out Port for Display on TV Set
- Built-in Infrared Port for Wireless Remote Communication
- Li-Ion Battery
- Touch Pad Pointing Device

14.2" TFT	CPU	1.4GB	2.1GB
Display	166MMX	$3558	$3658
with 32MB	200MMX	$3688	$3788
20X CD	233MMX	$3888	$3988

WORLD-NET MICROSYSTEMS INC.

1503 North Milpitas Blvd.
Milpitas, CA 95035
Tel: (408) 263-8088 • Fax (408) 263-4588
Hours M-F 9-6, Sat 10:30-4

Visit Our 3000' Showroom • 1000s of Items in Stock!

CPUs

Intel Pentium® Pro 150/180/200MHz ... $168/189/488
Intel Pentium® MMX CPU 166/200/233MHz ... $119/209/289
AMD K-6 166/200/233MHz MMX ... $119/169/339
Intel Pentium® II 233/266MHz MMX ... $398/498
Intel Pentium® II 300MHz MMX ... $699

MOTHERBOARDS

SUPER MICRO
6DNE Dual Pentium® Pro ... $348
6DNF Dual Pentium® Pro ... $388
P6DLS Dual Pentium® II ... $488
P6DLE Dual Pentium® II ... $388

INTEL
"Providence" Dual Pentium® Pro (ATX) ... $250
"Venus" Pentium® Pro (ATX) ... $99
"Anchorage" Pentium® w/512K (ATX) ... $168
"Portland" Pentium® II (ATX) ... $188
"Atlanta" Pentium® II 440LXA ... $178
"Dakota" Dual Pentium® II 440LXA ... $688

ASUS
P2L97 (ATX) ... $178
P2L97S ... $268
P2L97DS ... $428
VX97 w/512K (AT) ... $99
PXP4 w/512K PB (AT) ... $129
TX97E w/512K PB (AT) ... $149
TX97XE w/512K PB (ATX) ... $158
TX97X w/Audio w/512K PB (ATX) ... $189

CD-ROMS

TOSHIBA
24X EIDE ... $79
16X EIDE ... $79
15.7X SCSI XM-5901B-S ... $118

MITSUMI
8X EIDE ... $58
16X EIDE ... $88

CD-WRITER

HP
SureStore C6020I 6X Read 2X Write ... $499

PHILIPS
CDD 2000/12 4X Read, 2X Write Int ... $589
CDD 2010/20 4X Read, 2X Write Ext ... $699
CDD 2600/12 6X Read, 2X Write Int ... $699
CDD 2600/20 6X Read, 2X Write Ext ... $799

YAMAHA (Retail)
CDR-400 6X Read 4X Write Int. ... $559
CDR-400 6X Read 4X Write Ext. ... $759
Adaptec CDR Easy CD Pro (Win 95/NT/Win 3.11) ... $150
Adaptec CD-Creator (Win 95/NT/Win 3.11) ... $169
Adaptec CD-Creator for Mac ... $175
Blank CD-ROM 650MB (Brand Name) ... $7.99

MULTIMEDIA

SOUND CARD & SPEAKERS
16-Bit SB Compatible ... $19

CREATIVE LABS
Sound Blaster 16 PnP ... $46
Sound Blaster 16 IDE PnP ... $58
Sound Blaster 64 AWE PnP Retail Box ... $148
Sound Blaster 64 AWE & Gold w/4MB ... $158
DVD Kit ... $359

YAMAHA
M7 Speaker ... $48
M15 Speaker ... $78
System 35 w/subwoofer ... $149
System 45 w/subwoofer ... $189

BIG SCREEN MONITOR SUPER SALE

SONY
17" 200SX TRINITRON TUBE 1280X1024 .25DP SVGA, WIN 95, PNP, MONITOR
$558*
*$50 INSTANT REBATE, REGULARLY $608

15"100SX 1280x1024 .25dp SVGA ... $308
15"100SF 1280x1024 .25dp SVGA ... $338
17"200SX 1280x1024 .25dp SVGA ... $558
17"200SF 1600x1280 .25dp SVGA ... $638
20"300SFT 1600x1280 .31dp SVGA ... $1580
20"20SE2T 1600x1280 .25dp SVGA ... $1758

VIEWSONIC
17" G771 1280x1024 NI .28dp SVGA ... $488
17"17PS 1600x1280 NI .25dp TCO ... $608
17" PT770 1600x1280 NI .25dp ... $618
17" PT775 1600x1280NI .25dp ... $658
20" G800 1600x1280 .28dp ... $938
21" G810 .25dp 1600x1280 ... $1138
21" PT813 1600x1280 .28dp ... $1289
21" P815 1800x1440 .25dp ... $1358

NEC
17" E700 1600X1280 .25DP WIN 95 PLUG & PLAY
$638

15" A500/E500 ... $318/$358
17" A700/E700 ... $538/$638
21" P1150 1600x1280 .28dp ... $1458

NANAO
17" T2-17TS 1600X1280 .25DP SVGA
$848

17" FX-C5 1280x1024 .28dp SVGA ... $688
17" FX-C6 1600x1280 .26dp SVGA ... $768
17"TXC-7S 1600x1280 .25dp SVGA ... $988
21" FX-E7 1600x1280 .28dp SVGA ... $1618

MAG
17" DJ700 1280x1024 .26dp SVGA, Win 95, Plug & Play Monitor
$518

15" DX15T Trinitron
1280x1024 .25dp PnP SVGA Monitor ... $318
17" DJ702 Trintron
1280x1024 .25dp PnP SVGA Monitor ... $638

VIDEO CARDS

Trident 9680 PCI MPEG 1MB ... $21
S3 765 PCI Video MPEG 1MB ... $22
S3 Virge 3D MPEG 2MB EDO ... $38
S3 Virge 3D MPEG 4MB EDO ... $48

ATI
3D Xpression Plus PC2TV PCI 2MB SDRAM ... $68
3D Xpression Plus PC2TV PCI 4MB SDRAM ... $88
3D Pro Turbo PC2TV 4MB SGRAM ... $128
3D Pro Turbo PC2TV 8MB SGRAM ... $163
3D Expert Work 4MB AGP ... $168
3D Expert Work 8MB AGP ... $208

DIAMOND
Stealth 3D 2000 PCI 2MB/MPEG EDO ... $58
Stealth 3D 2000 PCI 4MB/MPEG EDO ... $78
Stealth 3D 3000 PCI 2MB/MPEG VRAM ... $128
Stealth 3D 3000 PCI 4MB/MPEG VRAM ... $148
Fire G1 1000 Pro 8MB Bulk ... $208

NUMBER 9
Imagine 128 Series 2 4MB VRAM ... $299
Imagine 128 S2E 2MB VRAM ... $99

MATROX (Retail Box)
Millennium II 4MB (Bulk) ... $168
Millennium II 8MB (Bulk) ... $238
Millennium II 4MB WRAM (Retail Box) ... $188
Millennium II 8MB ... $128
Mystique 220 4MB SGRAM (Retail Box) ... $128
Millennium 2MB/4MB/6MB Upgrade Module ... $68/128/168

SCSI CONTROLLER CARDS

ADAPTEC
2842 SCSI VLB ... $178
2940 U SCSI PCI ... $179
2940 UW SCSI (Ultra Wide) PCI ... $199
3940 SCSI PCI ... $299
3940W SCSI PCI ... $469

TAPE BACK-UP DRIVES

IOMEGA
ZIP Drive
100MB External Parallel ... $158
100MB Insider IDE ... $98
100MB Cartridge ... $18
JAZ Drive
1.0GB SCSI Drive Insider ... $299
1.0GB SCSI Drive External ... $399
1.0GB Cartridge ... $128

HP/COLORADO
DJ-50 1.3GB Int/Controller ... $199
C1534 4mm Dat 1-2GB SCSI Int ... $538
C1536 4mm Dat 2-4GB SCSI Int ... $638
C1533 4mm Dat 4-8GB SCSI Int ... $868
HP Mounting Kit to 5.25" ... $35

SCSI HARD DRIVES

IBM
DORS-32160 2.1GB Ultra SCSI ... $368
ACAS-32160 2.1GB Ultra Wide SCSI-3 ... $388
DCAS-34330 4.3GB Ultra SCSI-2 ... $468
DCAS-34330W 4.3GB Ultra Wide ... $488

QUANTUM
TM1280S Fireball 1.28GB Ultra SCSI-3 ... $258
TM32110S Fireball 2.1GB Ultra SCSI-3 ... $328
AL32275SW Atlas II 2.3GB Ultra Wide ... $498
AL34550S Atlas II 4.5GB Ultra SCSI-3 ... $688

NETWORKING SERVICES

- COMPLETE SETUP
- INSTALLATION
- TROUBLESHOOTING
- ON-SITE MAINTENANCE
- INTRANETS
- E-MAIL SERVERS

Networking Router, Hub & Switch

3COM

3C509 TPO ... $38
3C509 Combo ... $68
3C900 PCI TPO ... $68
3C900 PCI Combo ... $75
3C905 TX PCI 10/100 ... $60
3C16700 TPO 8 Port Office Connect Hub ... $145
3C16701 TPC 8 Port Office Connect Hub ... $185
3C16710 TPM 8 Port Office w/Management ... $448
3C16901 Linkswitch 1000 12 Port ... $2449
3C166671 SuperStack 24 Port ... $839

INTEL

EtherExpress Pro 10 Combo ... $98
EtherExpress Pro 100 PCI PILA8465B ... $45
12 Port EC100EKGP 100Mbps Hub ... $888

ASCEND

ISDN Pipeline 25 Single ... $589
ISDN Pipeline 25 NTI ... $619
ISDN Pipeline 25 NTI & Compression ... $789
ISDN Pipeline 50 Single ... $719
ISDN Pipeline 50 NTI ... $859

CISCO/BAY NETWORKS

Switch ... $CALL
Hub ... $CALL
Router ... $CALL

WORLD-NET

16-Bit NE2000 Combo ... $20
PCI 10/20 Mbps Combo ... $29
PCMCIA Ethernet Card ... $79
5-Port Hub ... $49
9-Port Hub ... $69
100/10Mbps 2 Port Switch Hub ... $299
4-Port 100Mbps Fast Ethernet Hub ... $259
8-Port 100Mbps Fast Ethernet Hub ... $299
12-Port 100Mbps Fast Ethernet Hub ... $599
12-Port 100Mbps Fast Ethernet w/Fiber Module Hub ... $899

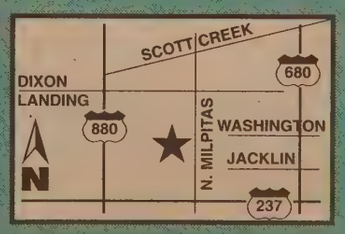
NOVELL

Netware 3.12 ... BEST PRICE
Netware 4.11 ... BEST PRICE

WORLD-NET MICROSYSTEMS INC.

TERMS AND CONDITIONS:
1. Lifetime Labor and One Year parts Warranty on all Computers.
2. Knowledgeable technical support engineers in service.
3. Prices and availability subject to change without notice.
4. Shipping, insurance and COD charges are extra and nonrefundable.
5. Return shipping must be insured, prepaid and bearing an RMA# on the shipping label.
6. Defective items replaced or repaired at our discretion.
7. Not responsible for typos.
8. All returns subject to 15% restocking fee and cover only World-Net Microsystems brand computers; excludes peripherals and software. No refunds after 30 days.
9. Superior reputation for service, quality and value.
10. Purchase orders are welcomed and subject to approval.
11. Price reflects cash discounts.

1503 North Milpitas Blvd., Milpitas, CA 95035
Tel: (408) 263-8088
Fax: (408)263-4588
Corporate, Government, & Education P.O.'s Welcome



CompuMall
Your Premier Computer Source
800-977-5665
www.cmpumall.com

TOSHIBA
T-510CDT P133, 16/2.1GB, 12.1" TFT, 10xCD
$2,295
3 year warranty

Libretto 50CT	P75	16/810MB	6.1"TFT	$1,445
T-220CDS	P133	16/1.3GB	12.1"DSTN	$1,595
T-300CT	P133	32/1.51GB	10.4"TFT	CALL
T-440CDX	P133MMX	16/1.35GB	12.1"TFT	$1,889
T-440CDT	P133MMX	161.35GB	12.1"TFT	$2,495
T-460CDT	P166MMX	32/2.1GB	12.1"TFT	$2,995
T-530CDT	P166MMX	32/2.1GB	12.1"TFT	$3,599
T-650CT	P133	16/1.3GB	11.3"TFT	$1,599
T-660CDT	P150	16/1.35GB	11.3"TFT	$2,599
T-730XCDT	P150MMX	16/2.1GB	12.1"TFT	$2,595
T-740CDTMMX	P166MMX	16/3.0GB	13.3"TFT	$3,250

Port Replicators
PA2703U
I/3400/3600 $175
PA2717U
NoteDock III $480
PA2710UX
DeskStation V+ $695
PA2487U
Battery I/400's $145

COMPAQ
Armada 4130T P133, 16/1GB, 11.8" TFT $1,695

Armada 7710MT	P150MMX	16/1.6GB	12.1"TFT	$2,295
Armada 1530DM	P133MMX	16/1.4GB,CD	12.1"DSTN	$1,849
Armada 1550DMT	P133MMX	16/1.4GB	12.1"TFT	$2,249
Armada 4160T	P166	16/2.1GB	12.1"TFT	$2,395
Armada 4131T	P133	16/1.4GB	12.1"TFT	$1,895
Presario 1080	P166MMX	16/1.4GB	12.1"TFT	$2,595
Presario 1610	P1506MMX	16/1.6GB,CD	12.1"DSTN	$1,995
Presario 1210	P150	16/1.4GB, CD	12.1"DSTN	$1,850
LTE 4/75CX	DX4/75	8/510MB	9.5"TFT	$725

171FS 17inch SVGA 1200x1400 Monitor $465

IBM
ThinkPad 365X P133, 8/1GB, 33.6 Fax, 11.3" DSTN $1,295

ThinkPad 365X	P133	8/1.08GB	11.3"DSTN	$1,245
ThinkPad 380ED	P166MMX	16/2.1GB ,CD	12.1"DSTN	$2,295
ThinkPad 380DMMX	P150	16/2.1GB	12.1"TFT	$2,395
ThinkPad 560	P133	16/2.1GB	12.1"TFT	$2,195
ThinkPad 560e	P166MMX	16/2.1GB	12.1"TFT	$2,495
ThinkPad 760+	P90	8/720MB	12.1"TFT	$1,295
ThinkPad 760ED	P133	16/1.2GB	12.1"TFT	$2,595
ThinkPad 760XD	P166	32/3.3GB	12.1"TFT	$3,795
ThinkPad 760XL	P166	16/2.1GB	12.1"TFT	$2,845

PCMCIA 33.6 FaxModem $69

Apple
PB.3400C/240 603e/240, 48/3GB, 12xCD, 56K Fax, 12.1" TFT $3,895

PowerBook 3400C	603e/200	2GB	16MB	12xCD	$2,595
PowerBook 1400C	603e/166	2GB	16MB	8xCD	$2,295
PowerBook 1400CS	603e/133	1.3GB	16MB	8XCD	$1,845

NEW PowerMac G3 233 & 266MHz $1,895/2,245

PowerMac 7300/200	604e/200	2GB	32MB	12XCD	$1,595
PowerMac 8600/300	604e/300	4GB	32MB	24XCD	$2,545
PowerMac 8600/200	604e/200	2GB	32MB	12XCD	$2,095
PowerMac 9600/300	604e/300	4GB	64MB	24XCD	$2,995
PowerMac 9600/200	604e/200	2GB	32MB	12XCD	$2,295

Apple 16ppm, 600dpi/ 12ppm, 600dpi $1,095/1,095

HEWLETT PACKARD Printers

NEW LaserJet 4000/T	17ppm, 1200dpi	$1095/1295
NEW LaserJet 4000N/TN		$1395/1575
LaserJet 5M/5N/5MP		$1545/1295/495
LaserJet 6L/5P/6P/6MP		$359/475/689/865
LaserJet 4V/4MV	16ppm, 11x17"	$1,595/2,395
DeskJet 1600C/CM	9ppm, 600dpi	$1,145/1,575
DeskJet 890/870/855CXi		$425/310/270

LaserJet 5 12ppm, 600dpi, 4MB $995
LaserJet 5MP 6ppm, 600dpi, PS $595
LaserJet 4V 16ppm, 600dpi, 11x17" $1,595

We offer a wide selection of Name Brand Desktop Computers & Peripherals
Call Us for Best Values & Ultimate $aving on your purchase
Tel:(818)-787-1054
e-mail:cmsales@cmpumall.com Fax:(818)787-2111
DHL FedEx Same Day Shipping
Microtimes #122697 II

Text-Based Adventures *continued from page 220*

CD contains versions for Mac and DOS/Windows. This is probably the best buy since Activision is pricing the disc rather low (CD-ROMs Online has it for $21.99).

You can also get *Zork I* (for PC and Mac) for free from Activision as part of the promotion for *Zork Nemesis*.

If you can't find or afford the various anthologies, you're still not completely out of luck. The source code for the original mainframe version of *Zork*, called *Dungeon*, is available from *ftp.gmd.de* in Fortran source or C source. This version contains most of *Zork I*, about half of *Zork II*, and a teeny bit of *Zork III*.

Need Help?

Many of the sites listed will have a number of text adventures that should satisfy your cravings. The site *http://www.helikon.com/personal/pete/advents/iflibtext.html* has quite a number of text adventure games as well. Solutions are also available for a number of the games which the site's owner lists.

There are several books that give the solution to these games, if you are stumped, including *The Book of Adventure Games I*, and *II*, by Kim Schuette; they have not only the solutions to many of these adventures, but maps as well. ■

Copyright © 1997 by Robert Eidswick. All rights reserved.

Resources:

Activision/Infocom
P.O. Box 67001
Los Angeles, CA 90067
1-800-477-3650
URL: *http://www.activision.com*

Humongous Cave
Softworks
43064 Via Moraga
Mission San Jose, CA 94539-5748
Also available at these ftp sites:
URL: *ftp.pht.com /.5/gamehead/h/hugecave.zip*
URL: *ftp.wustl.edu/doc/misc/if-archive/games/agt/hugecave.zip*
URL: *ftp.wustl.edu/doc/misc/if-archive/games/pc/hugecave.zip*
URL: *ftp.happypuppy.com/pub/lordsoth/hugecave.zipckage*

Adventure Game Toolkit
URL: *ftp.wustl.edu/doc/misc/if-archive/programming/agt/agtmastr.zip*
URL: *ftp.gmd.de/if-archive/programming/agt/agtmastr.zip*
URL: *ftp.nome.no/imp/0/textadv/programming/agt/agtmastr.zip*
URL: *ftp.nome.no/imp/1/textadv/programming/agt/agtmastr.zip*

The Book of Adventure Games I and II
Arrays, Inc.
The Book Division
11223 South Hindry Ave.
Los Angeles, CA 90045

BEST PRICE, BEST QUALITY, BEST SERVICE GUARANTEED!

Lifetime Labor Warranty on All Computers!

ACME586 BASIC SYSTEM

Abit VX MMX ready Motherboard
Intel Pentium or AMD K6 Processor
CPU cooling fan
512K PB Cache
Teac 1.44MB FDD
EIDE+Fast I/O (16550 UART)
Mini Tower w/230W power supply

Pentium-150MHz . . $238
MMX-166 . . . . . $275
MMX-200 . . . . . $379
AMD K6-166 . . . . . $275
AMD K6-200 . . . . . $334

Customer designed systems or Networking welcome!

3D MULTIMEDIA STATION

TX MMX233 Motherboard
Sound Blaster16 Sound Card
S3 Virge 2MB Graphic card
430TX chip,512K Pipelined Cache
Mitsumi 16x CD ROM
Intel Pentium, AMD K6 or IBM Processor
Cooling fan for CPU
16MB EDO RAM
2.6GB Ultra DMA33 Hard Drive
1.44MB Teac Floppy Drive
Deluxe 933 Mid Tower
Mitsumi 104 Keyboard
60w Amplified Speaker
Free Mouse & Pad
Free 25 CD games

P-150/MMX166. . $699/738
MMX200/233 . . . $838/928
IBM6x86-P200+ $688
Cyrix MX-200 . . . . . $738
AMD K6 166/200. $738/799

ACME LX-II BASIC SYSTEM

Intel AL440LX Motherboard
Sound card built-in
440LX chipset
Intel Pentium II Processor
CPU cooling fan
512K Cache
Teac 1.44MB FDD
EIDE+Fast I/O (16550 UART)
ATX Deluxe mid Tower, 235W UL power

Pentium II 233MHz . $758
Pentium II 266MHz . $865
Pentium II 300MHz $1095

Customer designed systems or Networking welcome!

440LX AGP CAD STATION

Intel AL440LX MotherBoard
440LX chip, 512K P-Cache
Sound card Built-in
ATI RAGE II AGP VIDEO with 4MB
Intel Pentium II Processor
Ball Bearing Fan
32MB SDRAM DIMM
3.2GB Ultra DMA33 Hard Drive 9ms
Teac 1.44MB FDD
24x CD ROM
ATX Delux Mid tower case 235W
Keytronic PS/2 104 Keyboard
Microsoft PS/2 mouse

Pentium II 233 MMX . $1398
Pentium II 266 MMX . $1518
Pentium II 300 MMX . $1748

DUAL P-II NT SCSI SERVER

Super Micro P6DLS Board
One Intel Pentium II, 2nd CPU option
24X CD ROM, 1.44MB FDD
32MB SDRAM-10
Diamond Stealth 3D 2MB
Adaptec 2940UW Controller on board
4.3GB Ultra Wide SCSI Hard disk,8ms
3COM 3C905TX,10/100M Ethernet
Enhanced 104 Keyboard
ATX Full Tower, 300W, 2 fans
Logitec MouseMen 3 button

Pentium II 233, 512K $1898
Pentium II 266, 512K $2018
Pentium II 300, 512K $2248

DIAMOND Computer Systems, Inc. TEAC. SONY. ORCHID CREATIVE CREATIVE LABS, INC. adaptec ATI TECHNOLOGIES INC.

Brand Name Components at GREAT PRICES!

Acme Super Sales

ATI All-in-wonder 4MB TV video $178
Tyan S1570 Turbo TX 512k Motherboard $95
Super Micro P6SLA LX motherboard $199
Maxtor 4.3GB U-DMA33 HDD $223
Acme Pentium II 266MHz RAID5 SCSI Server $2708

see "on-sale specials" on http://www.acmemicro.com for CPUs and Memory

MOTHERBOARDS

486-133 PCI w/IDE, Fast I/O, 256K $78
Abit SM5 Triton VX Pentium MMX,K6 512K $86
Abit AX5/PX5 TX 512k, MMX, K6-233 ..... $106/96
Abit LX6 Pentium II, ATX $171
Biostar TX, 512K,MMX, K6-233 ..... $92

Asus
Asus VX-97 512K $94
Asus P2L97-DS ATX, 440LX,AGP, Dual P-II+SCSI $427
Asus P2L97-S ATX, 440LX, AGP, DIMM +2940UW $298

Intel
Intel AL440LX (P-II) motherboard (boxed) $215
PR440FX, Dual Pentium Pro,SCSI,LAN,AUDIO $458
AN430TX 512K (Pentium TX),with Audeo + Video $215
AL440LX (P-II) with sound +AGP 4MB video $355
Marl II,H EIDE/Fast IO, 512K,MMX ready $118

Super Micro (Intel Chipset)
P6DLS 440LX Dual Pentium II +2940UW SCSI $399
P6DLE Dual P-II ATX, AGP, 440LX $315
P6SLA ATX, AGP, 440LX, DIMM $205
P6SNE-2 AT Pentium II 300MHz $185
P5MMS98 MMX,K6-233, 512K, 430TX $139
P5MMA98 ATX, MMX,K6-233, 512K, 430TX $150

Tyan (Intel Chipset)
Titan Pro Single/Dual P6 S1662 AT $208/293
New Tomcat 4, Single / Dual Pentium MMX233, 512K $146/186
Tohoe 2 Dual Pentium II $265
Tiger S1692 ATX Pentium II $225
New Titan-turbo AT2, S1571, 512k, 233MMX, K6 ..... $119

VIDEO DISPLAY

#9 Imagine 128 s2, 4MB VRAM (retail box) $299
TSENG ET6000 128bit, 2M/4M MDRAM $55/79
S3 Virge 2MB/4MB $38/52
Trident 9680, 1MB DRAM $27

ATI Graphic
ATI All-In-Wonder 4MB-- TV tuner, Video Capture $179
XPERT@PLAY PC2TV 4/8MB PCI or AGP $179/240

Diamond
Stealth 3D 2000, 2MB EDO $56
Stealth 3D 3000 4M VRAM $156
Viper V330 4MB SGRAM, PCI or AGP $167
Fire GL1000 Pro 8MB $189

Matrox
Mystique220 4MB SGRAM $112
Rainbow Runner $193
New Millennium II 4MB/8MB $169/279

Adaptec SCSI
AAA-131 RAID5 UW SCSI $478
2940UW Ultra Wide SCSI $208
2940U Ultra SCSI $185
1522 SCSI II $89

NCR SCSI
875 Ultra Wide SCSI $102
810 Fast SCSI 2 ..... $49

MULTIMEDIA

Mitsumi CR-2600TE IDE CD Writer $349
Sony 926S 6X SCSI CD Writer $339
16X IDE CD ROM Mitsumi $76
15X Toshiba SCSI CD ROM $146
24X Toshiba IDE CD ROM $81
Yamaha 3D Sound card $19
60W Amplified speaker $11
CDs pack -Grolier Encyclopedia + Office Suite 97 + 25 games $15

Creative Labs
Sound Blaster AWE 64 Gold(retail box) $172
Sound Blaster AWE64 Value $79
Sound Blaster 16 ..... $45

SOFTWARE (WITH SYSTEM ONLY)

MS Window 95 New Relese version $82
MS Office 97 small business edition $70
MS Window NT 4.0 Server 5/10 Clients ..... $498/$678
MS Window NT 4.0 Work Station $156

FAX/ MODEMS

Newcom 33.6K,internal $45
Zoltrix 56K with voice, speakerphone, caller ID $88
Supra Express 56K $99

US Robotics
Sportster 56K, internal $149
Sportster 33.6K , Int., #840 ..... $89
Sportster 28.8K VI, ext. #279 ..... $108

BRAND NEW DRIVES

1.7 /2.6/3.5GB U-DMA33 FUJI 10MS $138/168/199
2.5/3.2/4.3/5.2/7.1GB U-DMA33, Maxtor $175/199/225/282/348
2.1/3.2/4.3/6.4GB Ultra ATA, Quantum ST $170/225/248/349
4.3GB IBM Ultra-Wide SCSI $349
9GB Ultra Wide SCSI, Seagate Barracuda $999
1.2/1.44 MB Teac Floppy Drive ..... $43/$24
HP T3000 3.2GB Tape Backup $179
Iomega ZIP 100MB IDE/SCSI Internal drive $99/126
Iomega Jaz 1GB drive $282
100MB ZIP disk $13

BRAND NEW MONITORS

All monitors have 3 years warranty!!!

AV2 17" 1280x1024 .28dp, OSD $419
Hundai DeluxScan 15" .28dp, OSD $225
Impression 14" 1024x768 .28dp $162

MAG/Princeton
E050, 15" NI .28dp $269
DX15T, .25dp Trinitron $336
E070, .28dp 1280*1024 ..... $436
E075, 17" 1600x1200 .26dp $596

Ilyama Vision Master (IDEK)
MT-9017E, 1600x1200@74Hz .25 Diamondtron, 17" $614
MF-8221E, 1600x1200@76Hz, .22dp, 21" $1258
MT-9221 Pro500, 1800x1440@74Hz, .28dp Diamondtron, 21" $1498

CASE & POWER SUPPLY

Supermicro 750 Full tower server with 300W redundant power fan $215
IW-Q500 ATX Full Tower with 300W power $125
IW-500 Mid-Tower AT/ATX with 235w power ..... $55/$72
Enlight Medium Tower, 6680 250W, 2 fan $68
Mini Tower, 230W $29
230W Power supply AT/ATX ..... $21/$41
300W Power supply AT/ATX ..... $39/$68

many more servers & cases in demo room

NETWORKS

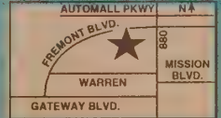
ISA/PCI Ethernet Card (Combo) $25
3Com 3c509TPO ISA $49
3Com 3C900 Combo PCI $89
3Com 3c905TX 10/100MB PCI $68
Intel EtherExpress Pro10/100MB PCI $68

Prices and availability subject to change without notice.
Prices reflect cash discounts.
All purchases are under our terms and policies.

ACME MICRO-SYSTEM INC. Since 1990

46500 Fremont Blvd., #716 • Fremont, CA 94538
(510) 226-6778 • FAX (510) 226-6773
Internet http://www.acmemicro.com

VISA MasterCard
M-F 9-6 / Sat. 12:30-5:30
email: sales@acmemicro.com

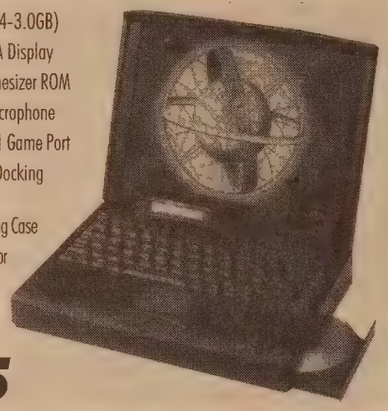


LINDEN MICRO TECH

— Your Notebook Solution

6280

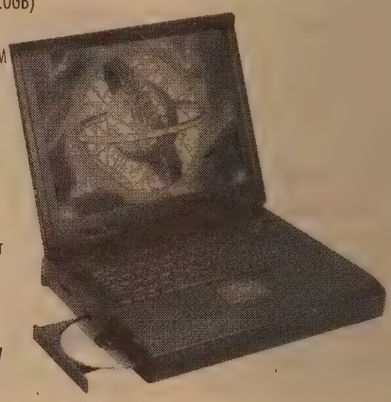
- Intel CPU Up To Pentium 233MMX Technology
- 16MB EDO RAM exp. to 72MB, 512K Pipeline Burst Cache
- PCI EIDE Controller, 64-Bit 2MB EDO PCI Video RAM
- Removable FDD (exchange for 2nd Battery), HDD(1.44-3.0GB)
- 12.1" Dual Scan or 12.1" Active TFT 800 x 600 SVGA Display
- 16-Bit Stereo Sound System w/1MB Wave Table Synthesizer ROM
- 16X Speed CD-ROM, Built-in 2 Stereo Speakers & 1 Microphone
- Build-in Touch Pad Mouse, Infrared Wireless Interface, 1 Game Port
- 3 Type II PCMCIA Slots, 1S (16500), 1P(ECP/EPP), 1 Docking Station port, 1ext. KB, 1 ext. CRT, 1 built-in TV Ports
- NiMH Battery (Optional Li-Ion Battery), AC Adaptor, Carrying Case
- Optional MPEG Module, 2nd Battery, Docking Station, Car Adaptor
- Windows 95 Release II w/manual &CD
- 1 Year Parts & 3 Years Labor Warranty



Starting 1,495

7200

- Intel CPU Up To Pentium 233MMX Technology
- 16MB EDO RAM exp. to 128MB, 512K Pipeline Burst Cache
- PCI EIDE Controller, 64-Bit 4MB EDO PCI Video RAM
- Removable FDD(exchange for 2nd Battery), HDD (1.44--3.0GB)
- 13.3" Active TFT 1024 x 768 XGA Display
- 16-Bit Stereo Sound System w/1MB Wave Table Synthesizer ROM
- 16X Speed CD-ROM, Built-in 2 Stereo Speakers & 1 Microphone
- Built-in Touch Pad Mouse, Infrared Wireless Interface, 1 Game Port, Two USB (Universal Serial Bus) Ports
- 2 Type II PCMCIA Slots, 1S (16500), 1P (ECP/EPP), 1 Docking Station Port, 1 ext. KB, 1 ext. CRT
- NiMH Battery (Optional Li-Ion Battery), AC Adaptor, Carrying Case
- Optional MO Drive, 2nd Battery, Docking Station, Car Adaptor
- Windows 95 Release II w/Manual & CD
- 1 Year Parts & 3 Years Labor Warranty



Starting $2,455

9780

- Intel Pentium Processor Up to 233MMX
- Intel 430TX Core Logic
- 512KB Pipeline Burst L2 Cache Memory
- 14.1" XGA TFT LCD
- Expandable SDRAM to 128MB
- 4MB EDO Video RAM
- 64-Bit PCI Video Controller with Graphic Accelerator
- Built-in 20X CD-ROM
- 2 Type II or 1 Type III PCMCIA Slots
- RCA Jack for Video In & Out
- 3D Sound System with Hardware Wave Table
- Infrared FIR / Dual USB Port
- Li-Ion Battery
- Windows 95 Release II w/Manual and CD
- 1 Year Parts and 3 Years Labor Warranty

Call for Latest Special

CHEMBOOK 6000

- Intel Mobile Module, Tillamook 233/266 MHz
- Intel 430TX PCISet Core Logic
- 512K synchronous pipelined-burst SRAM cache
- 13.3" TFT XGA LCD
- Expandable memory up to 144MB
- 2MB EDO Video RAM
- 128-bit PCI Graphic and video Accelerator
- Built-in 20X CD-ROM
- 2 Type II or 1 Type III PCMCIA Slots
- S-Video Jack for Video Out
- 3D Sound System with Hardware Wave Table
- Infrared FIR / USB Port
- Li-Ion Battery (58W)
- Windows 95 Release II w/Manual and CD
- 1 Year Parts and 3 Years Labor Warranty

New Product Coming Soon!

NOTEBOOK ACCESSORIES

PCMCIA 33.6K Fax Modem	$110.00
PCMCIA Ethernet Card (10BaseT)	$80.00
PCMCIA 56k Fax Modem	$180.00
PCMCIA LAN (10BaseT)/FAX (56K)	$250.00
1.4GB Notebook HDD (Slim)	$210.00
2.1GB Notebook HDD (Slim)	$260.00
3.0GB Notebook HDD (Slim)	Call
3.0GB Notebook HDD (Regular)	$400.00
4.0GB Notebook HDD (Regular)	Call
5.0GB Notebook Batteries (NiMH/Li-Ion)	Call
Memory (Various models/sizes)	Call
A.C. Adapter	Call
Battery Charger	Call
Notebook Batteries (NiMH/Li-Ion)	Call
Car Adapter	Call
Port Replicator	Call
Docking Station	Call

Special Holiday Hours:

Open Saturday, December 13 & 20, 10:00am - 4:00pm

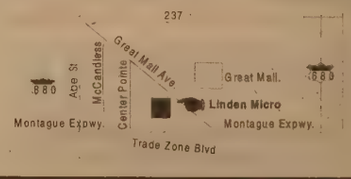
459 Montague Expwy, Milpitas, CA 95035

www.linden.com email: sales@linden.com

(408)262-8200

Fax: (408)262-8476

Hours: M-F 9am-6pm



Customer's Satisfaction Is Our No.1 Priority

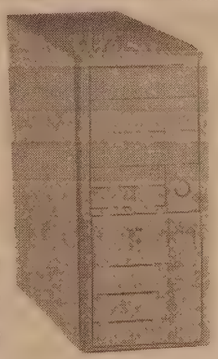
Corporate, Government and Education Orders Welcome!

DELUXE AT WORKSTATION

- Intel Triton VX Chip Set M/B w/512K PL Cache
- Built-in IDE Controller/IO
- Deluxe Mini Tower ATX Case w/ 235 Watt Power Supply
- 16MB EDO PAM
- TEAC 1.44MB FDD
- Mitsumi 104 Key K/B
- 1.6GB DIDE HDD
- MS 2-Button Serial Mouse
- PCI 64 Bit SVGA w/ 2MB DRAM
- Windows 95 Release II w/Manual & CD
- Monitor Sold Separately

P-150MHz...$475
P-166MMX...$543
P-200MMX...$643

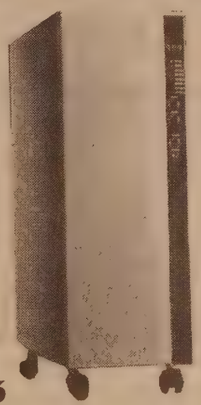
POWER ATX WORKSTATION



- Intel Atlanta AL440LX AGP M/B
- 512K PL Cache, Built-in IDE Controller/IO
- Mid Tower ATX Case w/ 235 Watt Power Supply
- 32MB EDO RAM
- 1.44MB FDD
- Keytronic PS-2 K/B for Win 95
- 4.3 GB EIDE HDD
- Microsoft 2-Button Serial Mouse and pad
- Matrox Millennium II 4MB
- Windows 95 Release II w/Manual & CD
- Monitor Sold Separately

P-II-233MMX...$1173
P-II-266MMX...$1253
P-II-300MMX...$1568

SUPER FILE SERVER



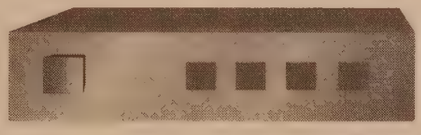
- Intel Dakota DK440LX AGP Dual Pentium II M/B
- Super File Server ATX Case w/ Redundancy 300 Watt Power Supply
- 64MB 10ns SDRAM
- Teac 1.44MB FDD
- Keytronic PS-2 K/B for Win95
- 4 GB Quantum Ultra Wide SCSI Hard Disk
- Microsoft Ergonomic Mouse
- Adaptec Ultra Wide SCSI Controller
- 24 X Toshiba IDE CD-ROM
- Diamond Stealth 64 PCI w/ 2MB VRAM SVGA Card
- Intel 10/100BaseTX PCI Ethernet
- Monitor Sold Separately

DUAL P-II-233MMX...$2486
DUAL P-II-266MMX...$2646
DUAL P-II-300MMX...$2961

INTERNET ANYWHERE

Easiest Solution for Business Internet Connection

- Up to 250 stations to access the Internet simultaneously
- Only one IP address and account with the ISP is required
- No Class C IP address required or costly router needed
- No monitor/Keyboard required
- IPX, TCP/IP compatible
- Built-in standard 33.6Kb/56Kb modem; optional ISDN
- Modem dial-up on demand. Auto hang-up & re-dial
- Standard 10 BaseT network interface, Optional 100BaseT, 100VG and Toden Ring
- Supports BOOTP/DHCP for automatic IP address assignment
- Built-in firewall protection and access manager software
- Operating environments for TCP/IP clients: Novell Netware3.x, 4.x Windows 3x, WFW Win 95, Win NT 3.51 and 4.0 OS/2, UNIX



$950

VIDEO CARD

Trident 9680 PCI MPEG W/1MB $23
S3Virge 3D MPEG W/2MB $37

ATI

3D Xpression + PC2TV PCI 2MB/4MB SDRAM ..... $90/$112
3D PRO TURBO PC2TV 4MB/8MB SGRAM ..... /4125/$163
Xpert @ WORK AGP 4MB/8MB ..... $188/$225

DIAMOND

Stealth 64 PCI 765 1MB/2MB MPEG $46/54
Stealth 3D 2000 PCI 2MB/4MB EDO MPEG $58/68
Stealth 3D 2000 PCI 2MB/4MB VRAM $128
Fire GL 1000 8MB $189
Viper V330 AGP 4MB $174

MATROX

Millennium II 4MB (Black) $170
Millennium II 8MB (Black) $278
Mystique 220 4MB SGRAM (Retail) $130

NUMBER 9

Imagine 128 S2E PCI 4MB $255
Imagine 128 Series II PCI 4MB $445

TAPE BACKUP DRIVE

HP/ COLORADO

C1534 4mm DAT 2GB SCSI Internal $545
C1536 4mm DAT 2-4GB SCSI Internal $593
C1599 4mm DAT 8GB SCSI Internal $775
T3000 3.2GB $180.00

IOMEGA

ZIP DRIVE (100MB) SCSI Internal $150
ZIP DRIVE (100MB) IDE Internal $105
ZIP DRIVE (100MB) PARALLEL PORT $153
JAZ DRIVE 1GB SCSI Int/Ext ..... $295/$395

FAX / MODEM

US Robotics

Sportster V.34 33.6K Internal w/o VOICE ..... $75/$95
Sportster 56K Internal w/o VOICE (Buck) ..... $145/$165
Sortster 56K External w/o VOICE(Retail) ..... $187/$217

JATON

33.6k Internal w VOICE $45
56K Internal w VOICE $85

CONTROLLERS

ADAPTEC

2940 U SCSI PCI $178
2940 UW SCSI PCI $198
3940 SCSI PCI $295
3940 W SCSI PCI $475

MULTIMEDIA

SOUND CARD

SOUND BLASTER 16PNP $45.00
SOUND BLASTER 64 AWE Value Pak $95.00
ESS 1868 PNP 16 BIT SOUND CARD $17.00
YAMAHA OPR3 16 BIT SOUND CARD $16.00

CD-ROM

Panisonic 24/x IDE CD-ROM $85
Toshiba 24x IDE CD-ROM $83
NEC 24x SCSI CD-ROM $197
Toshiba 12x SCSI CD-ROM $117

SPEAKER

ALTEC LANSING ACS51 ..... $56

LINDEN MICRO TECH

459 Montague Expwy, MILPITAS, CA 95035
www.linden.com email: sales@linden.com

TEL: (408)262-8200
FAX: (408)262-8476
HOURS: M-F 9am-6pm

VISA MasterCard DISCOVER

continued from page 42

symbol of the Clinton administration's (let us say) malleability.

Standard Oil also won every battle but the last one.

Parallelism Blooms

I predict that the intellectual interest now concentrated on computing will begin to move toward biotechnology in a major shift. A side-effect of that shift will be a new focus (in the computing world) on distributed parallel computation, the model used by living systems.

Distributed computation is also easy to instantiate on the Internet. A cooperative of amateurs created a Net-linked parallel project that cracked very strong encryptions this year. Look for more ad-hoc cooperative-processing projects of this sort.

New parallel-processing strategies and languages will gain currency. MIT has one such computer language that it is giving away to playful experimenters. **Star Logo** is a descendant of Seymour Papert's **Logo**. It models swarms and groups—schools of fish, flocks of birds, markets of investors. You can get a free copy and be the first on your block to play with distributed computation. You can, that is, if you own a Macintosh. There is not yet a PC version. Visit *http://lcs.www.media.mit.edu/groups/el/Projects/starlogo/* .

Birrell Walsh: "If Apple can keep its head down and endure the humiliations, with the help of the many brilliant people who love the Mac, it will have a major new opportunity in about two years. It feels like the playing field will change profoundly after the Microsoft Wars."

Apple Survives

And here is the final prophecy: If Apple can keep its head down and endure the humiliations, with the help of the many brilliant people who love the Mac, it will have a major new opportunity in about two years. It feels like the playing field will change profoundly after the Microsoft Wars.

Wrapping up the crystal ball in the big velvet cloth, we put aside prognostication until next year. ■

Copyright © 1997 by Birrell Walsh. All rights reserved.

you've got e-mail.

SmartPAGE.Net

call/888.478.4321
www.smartpage.net
sales@smartpage.net

Sign up for only $89/yr. and you'll receive...

FREE Unlimited Executive *Voice Mail*
FREE Unlimited *E-Mail* Paging
FREE Unlimited *Alpha-Numeric* Paging
FREE *Web Page* on the World Wide Web
FREE *Caller ID* for 1 year with activation*

For only $179/yr. you'll receive a Motorola Advisor

Gift Certificates Available!

: My client just paged me with 6 new orders.
importusa@smartpage.net

: My daycare provider just told me that Johnny's feeling better.
dad@smartpage.net

: My stockbroker says my gold stocks just went through the roof...sold em.
stockman@smartpage.net

: I'm out to dinner tonight.
diane@smartpage.net

: When I offer new bonuses, all 30 field reps know about it within seconds.
ceo@smartpage.net

* *There's a one time setup fee of $20. Limited time offer for free Caller ID – First time customers only.*

BECOME A SMARTPAGE RESELLER

BUSINESS OPPORTUNITY: Join our team and become a SmartPAGE Retailer or Reseller. You'll also receive free Internet access and a business web site. At SmartPAGE we'll help you open a new gateway to communication.

HKG COMPUTERS
Hardware Knowledge Group, Inc

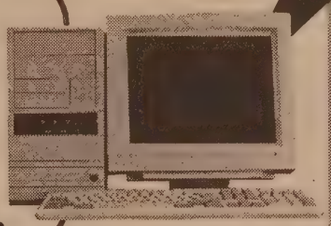
CORPORATE/SMALL BUSINESS/END-USERS

$0 DOWN INSTANT CREDIT

90 Days Same As Cash, O.A.C.*
Please Call For Details

ONSITE REPAIR & SERVICE CONTRACTS AVAILABLE CALL FOR DETAILS

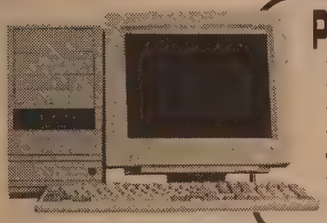
SEASON'S BEST DEALS



- ***Intel 430VX Motherboard**
- ***16MB EDO Memory**
- *1.44MB Floppy Drive
- ***2.5GB IDE Hard Drive (10ms/5400RPM/128K)**
- *PCI, SVGA 2MB Video Card
- *Sound Blaster16 Sound Card
- *8X IDE CD-ROM
- *33.6K Int Fax/Modem
- *60-Watt Amplified Speakers
- *Mini Tower Case w/230W Power Supply
- *104-Key Enhanced Keyboard
- *Microsoft Compatible Mouse
- *Microsoft Windows 95
- *Monitor not included

CYRIX 166MHz $699 / INTEL PENTIUM® 166MHz $799

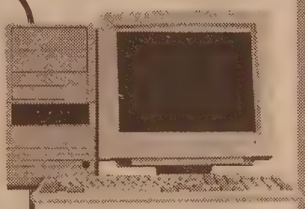
PENTIUM® PROCESSOR WITH MMX TECHNOLOGY-BASED SYSTEMS



- ***Intel 430TX Chipset Motherboard**
- *32MB EDO Memory
- *1.44MB Floppy Drive
- *2.5GB Ultra-IDE DMA/33 Hard Drive
- ***PCI SVGA 2MB Video Card**
- *14" SVGA Monitor .28 NI
- ***Sound Blaster** 16 Sound Card
- ***16X** IDE CD-ROM Drive
- *60W Amplified Speakers
- *Mid Tower Case w/230W Power Supply
- *104-Key Enhanced Keyboard
- *Microsoft Mouse
- *Windows 95

Pentium® MMX 166MHz $1029 / 200MHz $1139 / 233MHz $1239 • AMD K6-166 $1019 / K6-200 $1069 / K6-233 $1229

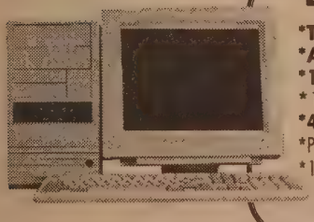
PENTIUM® II PROCESSOR-BASED SYSYEM



- ***Intel Portland PD440FX Chipset Motherboard**
- ***64MB EDO Memory**
- *1.44MB Floppy Drive
- ***4.0GB IDE Hard Drive**
- ***Diamond Stealth 3D PCI 4MB EDO Video Card**
- ***17" .27 SVGA Monitor**
- ***16X IDE CD-ROM Drive**
- *Built-in Sound Card
- *60W Amplified Speakers
- *Mid Tower w/230W Power Supply
- *104-Key Enhanced Keyboard
- *Microsoft Mouse
- ***Microsoft Windows 95**

PENTIUM® 233MHz $1939 / 266MHz $2079 / 300MHz $2319

DUAL PENTIUM® II PROCESSOR-BASED SERVER



- ***Tyan Dual PentiumII 1682D Motherboard**
- ***Adaptec 2940UW Controller**
- ***128MB Memory**
- *1.44MB Floppy Drive
- ***4.0GB UltraWide SCSI Hard Drive**
- *PCI, 2MB SVGA Video Card
- *14" SVGA Monitor .28 NI
- *8X CD-ROM Drive
- *ATX Full Tower w/235W Power Supply
- *104-Key Enhanced Keyboard
- *Microsoft Mouse
- *Microsoft Windows NT v.4.0 workstaation
- *Windows NT server v.4.0 w/5 user lic.+$350

PENTIUM® 2x233MHz $3169 2x266MHz $3439 2x300MHz $3919

BAREBONE SYSTEMS

- ***Intel 430VX Chipset Motherboard**
- *8MB EDO Memory
- ***PCI 2MB SVGA Video Card**
- *1.44MB Floppy Drive
- *Mini Tower Case
- ***Intel Portland PD440FX Chipset Motherboard**
- *16MB EDO Memory
- *1.44 Floppy Drive
- *PCI 2MB SVGA Video Card
- *ATX Full Tower Case

Pentium® 150MHz . . . . $339 Pentium® 200MHz . . . . $449 Pentium® II 233MHz. . . $879
AMD K6 166MHz . . . . $329 AMD K6 200MHz . . . . $409 Pentium® II 266MHz . $1009

- 1 year parts and lifetime labor warranty on all systems
- Gift certificates available
- Same low price for credit card and cash
- Prices and specifications subject to change without notice
- Photos in ad may differ from actual systems
- On approval of Credit

DISCOVER VISA MasterCard

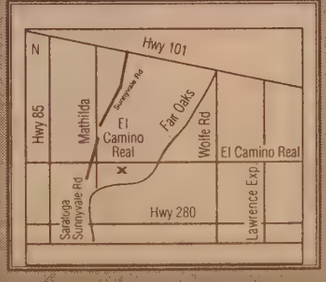
HKG COMPUTERS

- FREE ESTIMATES
- CUSTOMIZED SYSTEMS
- NOVELL WINDOWS NT NETWORKING
- UPGRADES
- HOME PAGE DESIGN
- CORPORATE
- GOVERNMENT
- OEM
- POS ARE WELCOME

Telephone:
408-733-5454
Fax:
408-733-5456
For Orders:
800-308-0818
Hardware Support:
408-733-5457
EMail:
HKGCOMP@aol.com

448 E. El Camino Real
Sunnyvale, CA 94087

Hours: Mon-Fri 9-6
Sat 10-6
Next to Charles Schwab



HI-TECH USA

ALWAYS THE BEST

www.HiTech-USA.com

(408) 262-8688.....Milpitas
(408) 732-8688.....Sunnyvale
(650) 329-8688.....Menlo Park
(650) 401-8688.....San Mateo
(415) 753-6888.....San Francisco
(510) 843-8688.....Berkeley

FOR SPARC WORKSTATION SOLARIS/SCO/UNIXWARE/NT SERVER SOLUTIONS

PLEASE CALL (888) 480-8688

CORPORATE, GOVERNMENT, AND EDUCATION

ORDERS WELCOME. LEASING & FINANCING AVAILABLE.

HI-TECH SUPER *Multimedia Systems*

PENTIUM II-300 ONLY $2498
BUSINESS LEASE – $81/MONTH

- 64MB RAM
- 6.4GB EIDE
- 24X CD-ROM
- US Robotics 56.6 Fax Modem (Internet Ready)
- Diamond Fire Pro 8MB AGP or PCI
- Sound Blaster AWE64 Value or Yamaha Sound and Yamaha Speakers
- TEAC 1.44MB 3.5" Floppy Drive
- Mid Tower Case with Power Supply
- Keytronics Keyboard for Windows 95
- Microsoft Mouse with Pad
- Free Microsoft Windows 95
- Free CD Deluxe Pack
- Viewsonic EA 771 17" Monitor

intel inside

Pentium II-300 (Intel Atlanta) ATX.....$2698
Pentium II-266 (Intel Atlanta) ATX.....2498
Pentium II-233 (Intel Atlanta) ATX.....2378
Pentium II-300 (Asus M/B) ATX.....2688
Pentium II-266 (Asus M/B) ATX.....2488
Pentium II-233 (Asus M/B) ATX.....2368
Pentium II-266 (Intel Portland) ATX.....2448
Pentium II-233 (Intel Portland) ATX.....2328
Dual PP-200 (Super Micro) w/1CPU.....2398
PP-200 (Intel Venus) ATX.....2298
PP-180 (Intel Venus) ATX.....2018
MMX-P233/512K (Intel Anchorage) ATX.2178
MMX-P200/512K (Intel Anchorage) ATX.2098
MMX-P166/512K (Intel Anchorage) ATX.1998
MMX-P233/512K (Asus TX 97).....2118
MMX-P200/512K (Asus TX 97).....2038
MMX-P166/512K (Asus TX 97).....1948

Upgrades

- 30-Bit Color Flatbed Scanner.....98
- Windows NT 4.0 10 Client Server.....Best

HI-TECH PROFESSIONAL *Multimedia Systems*

PENTIUM II-266 ONLY $2098
BUSINESS LEASE – $63/MONTH

- 32MB RAM (64MB: Add $Call)
- 4.3GB EIDE (6.4GB: Add $100)
- 24X CD-ROM
- 56.6 Internal Fax Modem w/Voice (US Robotics 56.6: +$60) Internet Ready
- Matrox Millenium II 4MB
- Sound Blaster AWE64 Value or Yamaha Sound and Yamaha Speakers
- TEAC 1.44MB 3.5" Floppy Drive
- Mid Tower Case with Power Supply
- Keytronics Keyboard for Windows 95
- Microsoft Mouse with Pad
- Free Microsoft Windows 95
- Free CD Deluxe Pack
- CTX PL700 17" Monitor

intel inside

Pentium II-300 (Intel Atlanta) ATX.....$2293
Pentium II-266 (Intel Atlanta) ATX.....2098
Pentium II-233 (Intel Atlanta) ATX.....1978
Pentium II-300 (Asus M/B) ATX.....2288
Pentium II-266 (Asus M/B) ATX.....2088
Pentium II-233 (Asus M/B) ATX.....1968
Pentium II-266 (Intel Portland) ATX.....2048
Pentium II-233 (Intel Portland) ATX.....1928
Dual PP-200 (Super Micro) w/1CPU.....1998
PP-200 (Intel Venus) ATX.....1898
PP-180 (Intel Venus) ATX.....1618
MMX-P233/512K (Intel Lonetree) ATX....1778
MMX-P200/512K (Intel Lonetree) ATX....1698
MMX-P166/512K (Intel Lonetree) ATX....1608
MMX-P233/512K (Super Micro).....1698
MMX-P200/512K (Super Micro).....1618
MMX-P166/512K (Super Micro).....1538

Upgrades

- 30-Bit Color Flatbed Scanner.....98
- Windows NT 4.0 Workstation.....Best

HI-TECH VALUE *Multimedia Systems*

MMX-P233 ONLY $1468
BUSINESS LEASE – $45/MONTH

- 32MB RAM (64MB: Add $Call)
- 2.0GB EIDE (4.3GB:+$70)
- 16X CD-ROM (24X:+$20)
- 56.6 Internal Fax Modem w/voice (US Robotics 56.6: +$60) Internet Ready
- ATI Expression+ 2MB
- Sound Blaster AWE 64 Value or Yamaha Sound and 180W Speakers
- TEAC 1.44MB 3.5" Floppy Drive
- Mid Tower Case with Power Supply
- Keytronics Keyboard for Windows 95
- Microsoft Mouse with Pad
- Free Microsoft Windows 95
- Free CD Deluxe Pack
- MAG DJ530 15" Monitor

Internet Ready!

Pentium II-300 (Asus M/B) ATX.....$1948
Pentium II-266 (Asus M/B) ATX.....1748
Pentium II-233 (Asus M/B) ATX.....1628
Pentium II-266 (Intel Portland) ATX.....1708
Pentium II-233 (Intel Portland) ATX.....1588
MMX-P233/512K (Intel Lonetree) ATX..1468
MMX-P200/512K (Intel Lonetree) ATX..1388
MMX-P166/512K (Intel Lonetree) ATX..1298
MMX-P233/512K (Super Micro).....1388
MMX-P200/512K (Super Micro).....1308
MMX-P166/256K (Super Micro).....1218
MMX-P233/512K (Intel Triton TX).....1338
MMX-P200/512K (Intel Triton TX).....1258
MMX-P166/512K (Intel Triton TX).....1168
AMD K6-233/512K (Intel Triton TX).....1408
AMD K6-200/512K (Intel Triton TX).....1208
AMD K6-166/512K (Intel Triton TX).....1168

Upgrades

- 30-Bit Color Flatbed Scanner.....98
- Microsoft Office Professional.....178

HI-TECH HOME *Multimedia Systems*

MMX-P200 ONLY $1058
BUSINESS LEASE – $32/MONTH

- 16MB RAM (32MB/64MB: +$40/120)
- 1.2GB EIDE (2.0GB/4.3GB:+$40/$100)
- 16X CD-ROM (24X: Add $20)
- 33.6 Internal Fax Modem w/voice (56.6 w/Voice: +$40) Internet Ready
- Diamond Edge 3D 2MB
- PCI IDE with I/O
- Sound Blaster 16 PNP & 80W Speakers
- TEAC 1.44MB 3.5" Floppy Drive
- Mid Tower Case with Power Supply
- Keytronics Keyboard for Windows 95
- Free Mouse with Pad
- Free Microsoft Windows 95
- Free CD Deluxe Pack
- 15" 1024x768 Monitor

Internet Ready!

MMX-P233/256K (Super Micro).....$1138
MMX-P200/256K (Super Micro).....1058
MMX-P166/256K (Super Micro).....978
MMX-P233/512K (Intel Triton TX).....1098
MMX-P200/512K (Intel Triton TX).....1008
MMX-P166/512K (Intel Triton TX).....928
AMD K6-233/512K (Intel Triton TX).....1158
AMD K6-200/512K (Intel Triton TX).....968
AMD K6-166/512K (Intel Triton TX).....918
P5-200/256K (Intel Triton VX).....998
P5-166/256K (Intel Triton VX).....918
P5-150/256K (Intel Triton VX).....888
6X86-P200+/512K (Intel Triton TX).....878
6X86-P166+/256K (Intel Triton VX).....858
AMD K5-P166/256K (Intel Triton VX)...888
AMD K5-P90/256K (Intel Triton VX).....858

Upgrades

- 30-Bit Color Flatbed Scanner.....98
- Microsoft Office Professional.....178

Why do customers keep buying from HI-TECH USA? Simply because we deliver the best value.

HI-TECH USA SUPER SALE

*BASIC SYSTEM: MOTHERBOARD & CPU, 8MB RAM, IDE WITH I/O, 1.44MB FDD, CASE WITH POWER SUPPLY, AND 101-KEY KEYBOARD.

	MOTHER-BOARD	MOTHER-BOARD WITH CPU	*BASIC SYSTEM W/8MB RAM	*BASIC SYSTEM W/16MB RAM	*BASIC SYSTEM W/32MB RAM	*BASIC SYSTEM W/64MB RAM	*BASIC SYS W/16MB RAM +1.6GB HDD + TRIDENT 1MB +MS DOS (2.6GB HDD ADD $50)	*BASIC SYS W/16MB RAM +1.6GB HDD + TRIDENT 1MB +MS DOS (2.5GB HDD ADD $50)	*BASIC SYS W/16MB RAM +2.5GB HDD + TRIDENT 1MB +WINDOWS 95 (4.3GB HDD ADD $60)	*BASIC SYS W/16MB RAM +4.3GB HDD + TRIDENT 1MB +WINDOWS 95 (6.4GB HDD ADD $110)
			SEE PAGES 3 & 4 OF OUR AD FOR ALL OF OUR UPGRADE PRICES							
PENTIUM II-300 (INTEL ATLANTA M/B) ATX	$208	$928	N/A	N/A	$1178	$1268	N/A	N/A	$1408	$1568
PENTIUM II-266 (INTEL ATLANTA M/B) ATX	208	718	N/A	N/A	968	1058	N/A	N/A	1198	1358
PENTIUM II-300 (ASUS M/B) ATX	198	918	N/A	N/A	1168	1258	N/A	N/A	1398	1558
PENTIUM II-266 (ASUS M/B) ATX	198	708	N/A	N/A	958	1048	N/A	N/A	1188	1348
PENTIUM II-266 (INTEL PORTLAND M/B) ATX	194	708	N/A	N/A	958	1048	N/A	N/A	1188	1348
PENTIUM II-233 (INTEL PORTLAND M/B) ATX	194	588	N/A	N/A	838	928	N/A	N/A	1068	1228
DUAL PP-200C (SUPER MICRO M/B) w/ 1 CPU	258	718	$868	$888	928	1008	$1018	$1038	1158	1308
PP-200C (INTEL VENUS M/B) ATX	118	578	748	768	808	888	898	918	1038	1188
PP-180C (INTEL VENUS M/B) ATX	118	298	448	468	508	588	598	618	738	888
MMX-P233/512K (Intel Lonetree M/B) ATX (Anchorage: +$10)	158	458	N/A	N/A	708	808	N/A	N/A	1188	1358
MMX-P200/512K (Intel Lonetree M/B) ATX (Anchorage: +$10)	158	378	N/A	N/A	628	728	N/A	N/A	1108	1278
MMX-P166/512K (Intel Lonetree M/B) ATX (Anchorage: +$10)	158	288	N/A	N/A	538	638	N/A	N/A	1018	1188
P5-166C (INTEL MARL M/B) ATX (Tucson: +$70)	108	238	408	428	468	548	558	578	698	848
P5-150C (INTEL MARL M/B) ATX (Tucson: +$70)	108	208	378	398	438	518	528	548	668	818
MMX-P233/256K (SUPER MICRO M/B)	124	458	588	608	648	728	738	758	878	1028
MMX-P200/256K (SUPER MICRO M/B)	124	368	498	518	558	638	648	668	788	938
MMX-P166/256K (SUPER MICRO M/B)	124	268	398	418	458	538	548	568	688	838
MMX-P233/256K (ASUS SP 97) (ASUS TX97: +$70)	88	398	528	548	588	668	678	698	818	968
MMX-P200/256K (ASUS SP 97) (ASUS TX97: +$70)	88	318	448	468	508	588	598	618	738	888
MMX-P177/256K (ASUS SP 97) (ASUS TX97: +$70)	88	228	358	378	418	498	508	528	648	798
MMX-P233/512K (INTEL TRITON TX)	84	378	508	528	568	648	658	678	798	948
MMX-P200/512K (INTEL TRITON TX)	84	298	428	448	488	568	578	598	718	868
MMX-P166/512K (INTEL TRITON TX)	84	198	328	348	388	468	478	498	618	768
AMD K6-P233/512K (INTEL TRITON TX)	84	438	568	588	628	708	718	738	858	1008
AMD K6-P200/512K (INTEL TRITON TX)	84	248	378	398	438	518	528	548	668	818
AMD K6-P166/512K (INTEL TRITON TX)	84	188	318	448	578	708	838	968	1098	1228
CYRIX M2-P200/512K MMX (INTEL TRITON TX)	84	198	328	458	588	718	848	978	1108	1238
CYRIX M2-P166/512K MMX (INTEL TRITON TX)	84	158	288	418	548	678	808	938	1068	1198
P5-166C (INTEL TRITON VX)	64	198	328	348	388	468	478	498	618	768
P5-150C (INTEL TRITON VX)	64	158	288	308	348	428	438	458	578	728
6X86-P200+/512K (INTEL TRITON TX)	84	148	278	298	338	418	428	448	568	718
6X86-P166+ (INTEL TRITON VX)	64	128	258	278	318	398	408	428	548	698
AMD K5-166C (INTEL TRITON VX)	64	158	288	308	348	428	438	458	578	728
AMD K5-100C (INTEL TRITON VX)	64	128	258	278	318	398	408	428	548	698
486DX4-100C VLB-PCI	54	88	218	238	278	358	368	388	508	658

HI-TECH STARTER
MULTIMEDIA SYSTEMS

- 16MB RAM (32MB: Add $40)
- 1.2GB EIDE (2.0GB/4.3GB: Add $40/$100)
- 16X CD-ROM (24X: Add $20)
- Trident 1MB
- 33.6 Internal Fax Modem w/Voice
- 16 Bit 3D Sound Card
- Deluxe Speakers
- TEAC 1.44MB 3.5" Floppy Drive
- Mitsumi Keyboard for Windows 95
- Enhanced Case w/Power Supply
- Free Mouse and Microsoft Windows 95
- Free CD Deluxe Pack
- Monitor Sold Separately (please see next page)

Internet Ready!

AMD K6-233/512K (Intel Triton TX)....908
AMD K6-200/512K (Intel Triton TX)....718
AMD K6-166/512K (Intel Triton TX)....668
P5-200/256K (Intel Triton VX) 748
P5-166/256K (Intel Triton VX) 668
P5-150/256K (Intel Triton VX) 638
6X86-P200+/512K (Intel Triton TX) ..628
6X86-P166+/256K (Intel Triton VX)..608
AMD K5-P166/256K (Intel Triton VX).638
AMD K5-P100/256K (Intel Triton VX).608

See Next Page for All of Our Upgrade Prices

HI-TECH DELUXE
MULTIMEDIA SYSTEMS

- 32MB RAM (64MB: Add $80)
- 2.0GB EIDE (4.3GB: Add $70)
- 16X CD-ROM (24X: Add $20)
- Diamond Edge 3D 2MB
- 36.6 Int. Fax Modem w/Voice (Internet Ready)
- Sound Blaster 16 PNP
- Deluxe 60W Speakers
- TEAC 1.44MB 3.5" Floppy Drive
- Mitsumi Keyboard for Windows 95
- Medium Tower Case w/Power Supply
- Free Microsoft Windows 95 and Mouse
- Free CD Deluxe Pack
- Monitor Sold Separately (please see next page)

intel inside

MMX-P233/512K (Intel Lonetree) ATX..1108
MMX-P200/512K (Intel Lonetree) ATX..1038
MMX-P233/256K (Super Micro).....1038
MMX-P200/256K (Super Micro).....958
MMX-P166/256K (Super Micro).....858
MMX-P233/512K (Intel Triton TX).....988
MMX-P200/512K (Intel Triton TX).....908
MMX-P166/512K (Intel Triton TX).....818
P5-166/512K (Intel Triton TX) 818
P5-150/512K (Intel Triton TX) 788

See Next Page for All of Our Upgrade Prices

HI-TECH DREAM
MULTIMEDIA SYSTEMS

- 32MB RAM (64MB: Add $Call)
- 4.3GB EIDE Hard Drive (6.4GB: Add $100)
- 24X CD-ROM
- Matrox Millenium II 4MB
- 56.6 Internal Fax Modem (Internet Ready)
- Sound Blaster 32 PNP
- Deluxe 180W Speakers
- TEAC 1.44MB 3.5" Floppy Drive
- Keytronics Keyboard for Windows 95
- Medium Tower Case or w/Power Supply
- Free Microsoft Windows 95 and Mouse
- Free CD Deluxe Pack
- Monitor Sold Separately (please see next page)

intel inside

Pentium II-300 (Atlanta or ASUS) ATX 1898
Pentium II-266 (Atlanta or ASUS) ATX 1688
Pentium II-233 (Atlanta or ASUS) ATX 1568
Pentium II-266 (Intel Portland) ATX.....1668
Pentium II-233 (Intel Portland) ATX.....1548
MMX-P233/512K (Intel Lonetree) ATX 1398
MMX-P200/512K (Intel Lonetree) ATX 1318
MMX-P233/256K (Asus TX 97).....1348
MMX-P200/256K (Asus TX 97).....1278
MMX-P166/256K (Asus TX 97).....1178

See Next Page for All of Our Upgrade Prices

HI-TECH POWER
MULTIMEDIA SYSTEMS

- 64MB RAM
- 4.3GB EIDE Hard Drive (6.4GB: Add $100)
- 24X CD-ROM
- ATI Pro Turbo 8MB
- US Robotics 56.6 Fax Modem (Internet Ready)
- Sound Blaster AWE 64 Value or Yamaha Sound
- Yamaha Speakers
- TEAC 1.44MB 3.5" Floppy Drive
- Keytronics Keyboard for Windows 95
- Medium Tower Case or w/Power Supply
- Free Microsoft Windows 95 and Mouse
- Free CD Deluxe Pack
- Monitor Sold Separately (please see next page)

intel inside

Pentium II-300 (Intel Atlanta) ATX.....2078
Pentium II-266 (Intel Atlanta) ATX.....1878
Pentium II-300 (Asus M/B) ATX.....2068
Pentium II-266 (Asus M/B) ATX.....1868
Pentium II-266 (Intel Portland) ATX.....1828
Pentium II-233 (Intel Portland) ATX.....1708
MMX-P233/512K (Intel Anchorage) ATX 1548
MMX-P200/512K (Intel Anchorage) ATX 1468
PP-200 (Intel Venus) ATX.....1678
PP-180 (Intel Venus) ATX.....1398

See Next Page for All of Our Upgrade Prices

BERKELEY

Phone (510) 843-8888
2318 Shattuck Avenue, Berkeley
Fax (510) 843-8858

SAN FRANCISCO

Phone (415) 753-8888
850 Taraval Street, San Francisco
Fax (415) 753-8848

SAN MATEO

Phone (650) 401-8888
111 E. 5th Avenue, San Mateo
Fax (650) 401-8818

MENLO PARK

Phone (650) 329-8688
441 El Camino Real, Menlo Park
Fax (650) 329-8686

SUNNYVALE

Phone (408) 732-8888
730 East El Camino Real, Sunnyvale
Fax (408) 732-8388

MILPITAS

Phone (408) 262-8688
1658 & 1582 Centre Pointe Dr., Milpitas
Fax (408) 262-8772

SALES HOURS: Mon-Fri: 9am-6pm, (8:30am-6pm Milpitas), Sat: 10am-4pm
SERVICE HOURS: Mon-Fri: 9am-5:30pm, Sat: 10am-3:30pm

DISCOVER · VISA · ATM CARD · MasterCard

HI-TECH USA
ALWAYS THE BEST
www.HiTech-USA.com

TERMS AND CONDITIONS

1. One year parts and labor warranty on systems.
2. Knowledgeable technical support engineers in service.
3. Prices and availability subject to change w/o notice.
4. Shipping, insurance and COD charges are extra and non-refundable. Prices reflect cash discounts.
5. Return shipping must be insured, prepaid and bearing an RMA# on the shipping label.
6. Defective items replaced or repaired at our discretion.
7. No responsible for typos.
8. All returns subject to 15% restocking fee and cover only Hi-Tech USA brand computers, excludes peripherals, software and notebook computers. No refunds after 30 days.
9. Superior reputation for service, quality and value.
10. Purchase orders are welcomed and subject to approval.

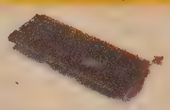
HI-TECH USA
ALWAYS THE BEST
www.HiTech-USA.com

(408) 262-8688.....Milpitas
(408) 732-8688.....Sunnyvale
(650) 329-8688.....Menlo Park
(650) 401-8688.....San Mateo
(415) 753-8888.....San Francisco
(510) 843-8688.....Berkeley

CASE W/POWER SUPPLY

230W / 250W / 300W Power Supply ..... $19 / 21 / 32
Mini Tower Case w/200W Power Supply 22
Desktop AT Case w/200W Power Supply 33
Medium Tower Case w/230W Power Supply 35
Full Tower Case w/250W Power Supply 49
ATX Case w/Power Supply (Tower / AT) ..... 59 / 85

CONTROLLERS



IDE 2FD/2HD with 2S/1P/1G $11

adaptec

1520 / 1542 CP (SCSI) ..... $64 / 158
2842 VLB (SCSI) 78
2940 / 2940U PCI (SCSI) ..... 154 / 161
2940UW PCI (SCSI) 180

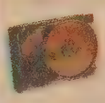
DATA TECHNOLOGY

DTC 2280E ISA with 16550 UART Chip $19

PROMISE TECHNOLOGY, INC.

Promise DC-2300 Plus VLB IDE Fast I/O $43
Promise DC-4030 VLB IDE Cache Controller 48
Promise DC-4030+ VLB EIDE 110

HARD/FLOPPY DRIVES



Quantum
Maxtor Seagate
MICROPOLIS
WESTERN DIGITAL

IDE 1.0GB / 1.2GB / 1.7GB ..... $100 / 110 / 124
IDE 2.0GB / 2.5GB ..... 138 / 156
IDE 4.3GB / 6.4GB ..... 204 / 304
SCSI 1.0GB / 1.2GB / 2.0GB ..... 174 / 180 / 198
SCSI 4.0GB / 9.0GB ..... 308 / 888
FUJITSU IDE 1.7GB 128
JTS IDE 1.0GB / 1.2GB ..... 100 / 110
JTS IDE 1.7GB / 2.0GB / 2.5GB ..... 128 / 140 / 156
MAXTOR IDE 2.5GB / 3.2GBN ..... 164 / 196
MAXTOR IDE 4.3GB / 7.0GB ..... 230 / 348
MICROPOLIS SCSI 9.1GB (SCSI III) 788

QUANTUM
IDE 1.2GB / 2.5GB / 4.3BG Big Foot 110/164/204
IDE 3.1GB / 3.8GB / 6.4GB ..... 208 / 228 / 304
SCSI 1.0GB / 1.2GB ..... 174 / 194
SCSI 2.0GB / 4.3GB ..... 198 / 314
SCSI 9.1GB (SCSI III) 848

SAMSUNG
IDE 1.0GB / 1.2GB / 1.6GB ..... 104 / 116 / 122
IDE 2.0GB / 2.5GB ..... 150 / 158

SEAGATE
IDE 1.6GB / 2.0GB ..... 154 / 166
SCSI 9.1GB 888

WESTERN DIGITAL
IDE 1.6GB / 2.0GB ..... 150 / 164
IDE 2.5GB / 3.2GB / 4.3GB ..... 184 / 198 / 244

FLOPPY DRIVES
Mitsumi / Teac 1.44 Floppy Drive ..... $18 / 20

MOUSE

3-Button Mouse Microsoft Compatible $5

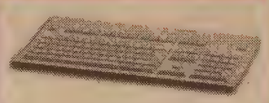
LOGITECH

First Mouse (Serial-2 Button) 9
Mouseman Serial / PS2 (OEM) ..... 16 / 18

Microsoft

2 Button Serial / PS2 (w/System) ..... $20 / 22
Intelli Serial / PS2 (w/System) 30

KEYBOARDS



104-Key Keyboard for Windows 95 ..... $11

FOCUS
FK2001 for Windows '95 22
FK6200W/7200W ..... 18 / 23
FK8200 / 9200 ..... 34 / 39
Keytronics 104-Key for Windows 95 15
Lite-on SK-6000 / SK-6000T ..... 35 / 52
Mitsumi 104-Key for Windows 95 11
Maxiswitch Nova for Windows 95 15
Maxiswitch Nova PS/2 16
Microsoft Natural Key (w/System) 43

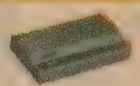
MEMORY & CPU

SIMM
1MB (1x3) / 4MB (4x3) (30 Pin) ..... 6 / 12
4MB (1x32) / 8MB (2x32) (72-Pin) ..... 12 / 20
16MB (4x32) / 32MB (8x32) 72-Pin) ..... 39 / 76
4MB (1x32) / 8MB (2x32) (EDO) ..... 12 / 20
16MB (4x32) / 32MB (8x32) (EDO) ..... 36 / 74
4MB (1x36) / 8MB (2x36) (Parity) ..... 21 / 42
16MB (4x36) / 32MB (8x36) (Parity) ..... 50 / 98

DIMM
16MB (2x64) / 32MB (4x64) ..... 54 / 94
64MB (8x64) 198

CPU
AMD 486DX4-100 / K5-100 ..... 42 / 64
AMD K5-P133 / 166 ..... 85 / 93
AMD K6-166 / 200 / 233 ..... 120 / 168 / 360
6X86 P-166+ / P-200+ ..... 68 / 78
Cyrix M2-P166+ / M2-P200+ ..... 86 / 118
Intel P5-150 /166 / 200 ..... 100 / 130 / 208
Intel Pentium Pro-180 / Pro-200 ..... 190 / 464
Intel MMX-166 / 200 / 233 ..... 130 / 214 / 298
Intel Pentium II-233/266/300 ..... 398/518/728

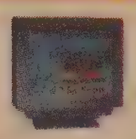
MODEMS & FAXES



Fax Modem 14,400 Internal $19
Fax Modem 33.6 with V.34 Int 40
Fax Modem 33.6 with Voice Int 46
Fax Modem 33.6 Ext 66
Fax Modem 56.6 with Voice Int 76
PCMCIA Fax Modem 33.6 Data w/V.34 86
PCMCIA Fax Modem 56.6 126
SUPRA 33.6 Fax Modem Int (Bulk) 53
SUPRA 33.6 Fax Modem w/Voice Int (Retail) 88
SUPRA 56.6 Fax Modem w/Voice Int 90

US ROBOTICS
Sportster 28.8 Winmodem (Bulk) 28
Sportster 33.6 Data Winmodem Int (Retail) 58
Sportster 28.8 FM with Voice Int 48
Sportster 33.6 Data Fax Modem Int (Bulk) 74
Sportster 33.6 Data Fax Modem Int (Retail) 78
Sportster 33.6 Data Fax modem w/Voice Int (Bulk) 88
Sportster 33.6 Data Fax Modem w/Voice Int (Retail) 124
Sportster 33.6 Data Fax Modem w/V.34 Ext (Retail) 134
Sportster 33.6 Data Fax Modem w/Voice Ext 150
Sportster 56.6 Internal w/o Voice (Bulk) 134
Sportster 56.6 Internal w/Voice (Bulk) 160
Sportster 56.6 Internal w/Voice (Retail) 176
Sportster 56.6 External w/o Voice (Retail) 182
Sportster 56.6 External w/Voice (Retail) 198

MONITORS*



14" VGA Mono $88
14" SVGA 1024•768 .28 NI 138
15" SVGA 1024•768 .28 188
17" SVGA 1280•1024 .28 368

CTX

14" Super VGA 1024•768 .28 NI $178
15" Super VGA 1024•768 .28 246
17" Super VGA 1280•1024 .28 (PL700) 388
17" Super VGA 1280•1024 .28 (VL700) 408

IIYama (IDEK)

MF-8515 15" 1280•1024 .28 ..... $314
MF-8617E 17" 1600•1200 .26 534
MF-8221E 21" 1600•1200 .30 1268

mpression

3+ 14" 1024•768 .28 NI $148
5+ 15" 1280•1024 .28 NI 208
7+ 17" 1280•1024 .28 NI 398
17" Vienna Pro 578

MAG INNOVISION

DJ530 15" 1280•1024 .28 ..... $262
DX15T 15" .25 Trinitron OSD Win 95 298
710V² 17" 1280•1024 .28 454
DJ700 17" .26 1280•1024 506
DX700T 17" .25 Trinitron OSD Win 95 578

NANAO

FX-B5 15" .28 / FX-C5 17" .28 ..... 494 / 686
FX-C6 17" .26 / TX-C75 17" .25 ..... 767 / 958
T2-17 TS .25 847
TX-D75 20" .25 / FX-E7 21" .28 ..... 1618 / 1608

NEC

A500 / E500 / M500 ..... 314 / 358 / 364
A700 / E700 / M700 ..... 558 / 637 / 726
E1100 / P1150 21" .28 ..... 1338 / 1478

NOKIA

449XA 15" / 447Z 17" ..... $376 / 578
447XAV 17" / 447K 17" ..... 928 / 1358
445XI 21" 1698

SONY

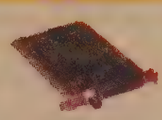
100SX 15" $322
100SF 15" 368
200SX 17" 1280•1024 .25 65 Hz 598
200SF 17" 1280•1024 .25 75 Hz 678
300SFT 20" 1600•1024 .31 1378
205EZT 20" .25 1808

ViewSonic®

E641 14" 1024•768 .28 ..... $188
E655 15" 1024•768 .28 262
15GS 15" 1280•1024 .28 294
15GA 15" 1280•1024 .27 w/Speakers 352
EA771 17" 1280•1024 .28 w/Speakers 494
G771 17" 1280•1024 .28 487
17GA 17" 1280•1024 .27 w/Speakers 558
17PS 17" 1600•1280 .25 Green 604
GT770 17" 1280•1024 .25 608
PT770 17" 1600•1280 .25 617
PT775 17" 1600•1280 .25 657
G800 20" 1600•1280 .28 927
G810 21" 1600•1280 .25 1137
PT 813 21" 1600•1280 .28 1287
P815 21" 1800•1440 .25 1357
VP140 2188

* Monitor Viewable size may be smaller than advertised size

NETWORKS



16 BIT Ethernet Card ISA (Combo) $14
32 BIT PCI Ethernet Card (Combo) 17
32 BIT PCI 10/100 TX 50
PCMCIA Ethernet Card (Combo) 58

3Com

3C509 ELINK III TP $44
3C509 ELINK III Combo 60
3C900 PCI TP (New) 64
3C900 PCI Combo (New) 79
3C905 TX PCI 10 / 100 63

Hubs and Repeaters

5-Port Ethernet Hub $39
9-Port Ethernet Hub 49
17-Port Ethernet Hub 88
24-Port Ethernet Hub 224

Intel

EtherExpress Pro 10 / 100 TX PCI $56

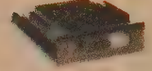
SCANNERS

Imager 730 Flatbed 30-Bit Color 9600 300x600dpi $118
Adara Scan 016 Image Star I 198
Adara Scan 018 Image Star III w/o TMA 828

SOFTWARE

Microsoft Super Home Bundle (w/system) $68
Microsoft Windows 95 Full Copy CD Version (w/system) 90
Microsoft Windows 95+ (with System) 118
Microsoft DOS 6.x (with System) 38
Microsoft Office Professional OEM CD Version (w/System) 168
Microsoft Windows 3.x (with System) 56
Microsoft Windows for Workgroup (with System) 62
Microsoft Windows NT 4.0 Server
5 Clients (with/System) ..... BEST
10 Clients (with/System) ..... BEST
Microsoft Windows NT 4.0 Workstation (with Sys) ..... BEST

TAPE BACKUPS

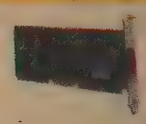


COLORADO MEMORY SYSTEMS

T-3000T 3.2GB Int. w/tape 154
T-4000T 8.0GB SCSI Int w/tape 333
Tape for 800MB 27

IOMEGA
Ditto Easy 800 Insider 98
Ditto Easy 800 Parallel 128
Ditto Easy 3200 Insider w/Cartridge 178
Ditto 800/3200 Cartridge ..... 30 / 35
Jaz SCSI Drive 1.0GB Insider 278
Jaz SCSI Drive 1.0GB External 378
Jaz SCSI Drive Cartridge 94
Zip Drive 100MB External Parallel 138
Zip Drive 100MB External SCSI 138
Zip Drive 100MB Cartridge 15

VGA CARDS



MGP Card $11
SVGA ISA w/1MB 27
Cirrus Logic PCI w/1MB 19
Cirrus Logic PCI w/MPEG 1MB 23
S3 Virge 3D w/2MB EDO 35
Trident PCI w/1MB 18
Trident PCI w/1MB MPEG 21

ATi TECHNOLOGIES INC.

3D Xpression 2MB EDO 46
3D Xpression+ w/o TV 2MB 62
3D Xpression+ w/o TV 4MB 79
3D Xpression+ w/ TV 2MB 73
3D Xpression+ w/ TV 4MB 91
ProTurbo w/TV 4MB SGRAM 122
ProTurbo w/TV 8MB SGRAM 162
TV Tuner 108
Xpert@Work 4MB AGP 176
Xpert@Work 4MB PCI 168
Xpert@Work 8MB AGP 214
Xpert@Work 8MB PCI 194

DIAMOND

Edge 3D 2MB DRAM 29
Edge 3D 2MB VRAM 45
Stealth 64 PCI 1MB w/MPEG 43
Stealth 64 PCI 2MB w/MPEG 48
Stealth 64 Video PCI 2MB (VRAM) 77
Stealth 64 Video PCI 4MB (VRAM) 122
Stealth 3D 2000 PCI 2MB 50
Stealth 3D 2000 PCI 4MB 68
Stealth 3D 3000 PCI 2MB (VRAM) 99
Stealth 3D 3000 PCI 4MB (VRAM) 136
Fire GL1000 4MB (Bulk) 113
Fire GL1000 4MB (Retail) 182
Fire GL1000 8MB (Bulk) 154
Fire GL1000 8MB (Retail) 202
Fire GL1000 Pro 4MB AGP 168
Fire GL1000 Pro 4MB PCI 168
Fire GL1000 Pro 8MB AGP 204
Fire GL1000 Pro 8MB PCI 204
Monster 3D 4MB 139
Viper V330 4MB AGP 158

MATROX

Millennium II 4MB (Bulk) 160
Millennium II 4MB (Retail) 176
Millennium II 8MB (Bulk) 246
Millennium II 8MB (Retail) 268
Mystique 220 2MB (Bulk) 88
Mystique 220 2MB (Retail) 98
Mystique 220 4MB (Bulk) 108
Mystique 220 4MB (Retail) 122

Number 9

Imagine 128 S2E PCI 4MB 254
Imagine 128 Series 2 PCI 4MB 388

Intel, Intel Inside and Pentium are registered trademarks of the Intel Corporation.

Microsoft is a registered trademark and Windows and the Windows logo are trademarks of Microsoft Corporation.

All other trademarks, logos are property of their respective companies.

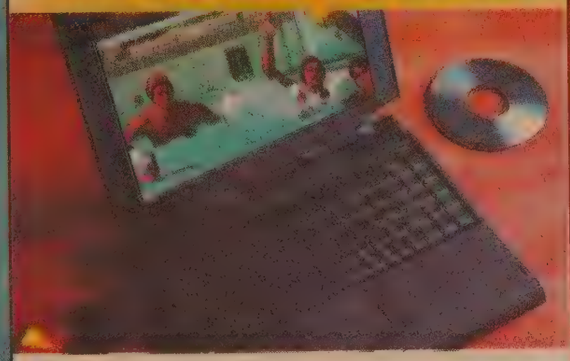
MOTHERBOARD W/CPU

486DX4-100/256K PCI-VLB	$98
AMD K5-P100/256K (Triton VX)	138
AMD K5-P133/256K (Triton VX)	158
AMD K5-P166/256K (Triton VX)	168
6X86-P166+/256K (Triton VX)	138
6X86-P200+/512K (Triton TX)	148
P5-150/256K (Triton VX)	168
P5-166/256K (Triton VX)	208
P5-200/256K (Triton VX)	278
Cyrix M2-P200/512K MMX (Intel Triton TX)	198
Cyrix M2-P166/512K MMX (Intel Triton TX)	158
AMD K6-166/512K (Triton TX)	198
AMD K6-200/512K (Triton TX)	248
AMD K6-233/512K (Triton TX)	438
MMX-P166/512K (Triton TX)	198
MMX-P200/512K (Triton TX)	298
MMX-P233/512K (Triton TX)	378
ASUS	
P5-150/256K (SP97)	178
P5-166/256K (SP97)	218
P5-200/256K (SP97)	288
MMX-P166/256K (SP97)	228
MMX-P200/256K (SP97)	318
MMX-P233/256K (SP97)	398
MMX-P166/512K (TX97)	298
MMX-P200/512K (TX97)	388
MMX-P233/512K (TX97)	468
Pentium II-233	588
Pentium II-266	708
Pentium II-300	918
INTEL	
P5-150/256K (MARL) ATX	208
P5-166/256K (MARL) ATX	238
P5-200/256K (MARL) ATX	318
MMX-P166/512K (ANCHORAGE) ATX	298
MMX-P200/512K (ANCHORAGE) ATX	388
MMX-P233/512K (ANCHORAGE) ATX	468
MMX-P166/512K (LONETREE) ATX	288
MMX-P200/512K (LONETREE) ATX	378
MMX-P233/512K (LONETREE) ATX	458
Pentium Pro PP-180 (VENUS) ATX	298
Pentium Pro PP-200 (VENUS) ATX	578
Pentium II-233 (PORTLAND) ATX	588
Pentium II-266 (PORTLAND) ATX	708
Pentium II-233 (ATLANTA) ATX	598
Pentium II-266 (ATLANTA) ATX	718
Pentium II-300 (ATLANTA) ATX	928
Super Micro	
DUAL Pentium Pro PP-200 w/1 CPU	718

MULTIMEDIA

16-Bit Sound Card	$14
Altec Lansing ACS 51 / ACS 52	54 / 70
Altec Lansing ACS 55 / ACS 500	148 / 284
CD Writer Phillips CDD2600/12 Int	408
CD Writer Phillips CDD2600/20 Ext	538
CD Writer Yamaha CDR-400ti SCSI Int	468
CD Writer Yamaha CDR-400ti IDE Int	538
Creative Sound Blaster 16 / 32 PNP	40 / 68
Creative Sound Blaster AWE 64 Value (Bulk)	77
Creative Sound Blaster AWE 64 Gold (Bulk)	154
Creative Sound Blaster AWE 64 Gold (Retail)	176
Digital Camera Sony DSC-F1	768
CD-ROM 4X / 6X / 8X IDE	28 / 44 / 47
CD-ROM 12X / 16X IDE	54 / 57
CD-ROM 20X / 24X IDE	64 / 72
Mitsumi 6X 6-Speed IDE	45
Mitsumi 8X 8-Speed IDE	48
Mitsumi 12X 12-Speed IDE	56
Mitsumi 16X 16-Speed IDE	65
Mitsumi 24X 24-Speed IDE	75
NEC 16-Speed SCSI	92
NEC 24-Speed SCSI	128
NEC CDR 4300 6x4 IDE CD Changer	65
NEC CDR 4300 8x4 IDE CD Changer	86
TEAC 24X 24-Speed IDE	75
TEAC 16X 16-Speed SCSI	105
Toshiba 24X 24-Speed IDE	76
Toshiba 12X 12-Speed SCSI	98
Speakers 60W/80W/120W	10 / 16 / 24
Speakers 180W/300W	26 / 39
Yamaha Speakers M7 / M15	37 / 59
Yamaha Speakers M25 / M35 / M45	98 / 128 / 164

HI-TECH Extreme Notebooks



HOLDS UP TO 6.4GBS OF HDD SPACE

- 16MB EDO RAM
- 1.4GB Hard Drive
- 16-Bit Stereo
- Modular 20X CD-ROM
- NIMH Battery
- Video Capture
- 2MB VRAM
- Infrared (FIR)
- Windows 95
- Carrying Case

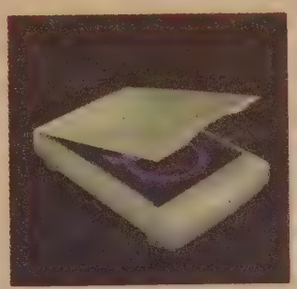
Options: Port Replicator, Docking Station, Li-Ion Battery, Car adapter, Win NT, Linux 2.0, PCMCIA Fax/Modem or LAN Card.

NOTEBOOK	MMX 166	MMX 200	MMX 233
13.3" TFT	$2608	$2708	$2808
12.1" TFT	$2158	$2258	$2358
12.1" DSTN	$1738	$1838	$1938

30-Bit Color Flatbed Scanner

Imager 730

- Easy Plug-n-Play with Parallel Port
- Supports Win NT, Win 95 and Win 3.x
- 9600 dpi and only 5.9 lbs.
- Small footprint, suitable for home or office
- Software-MGI PhotoSuite SE, Xerox TextBridge and PaperCom Document Manager



FAX - EMAIL - INTERNET AND MORE!

Imager 730.....$118

With System Purchase.....$98

HI-TECH Super Notebooks

UP TO 4MB VRAM

HOLDS 2.3 GB HARD DRIVES

UP TO 72MB EDO RAM ON 12.1" TO 128MB EDO RAM ON 13.3" AND 14.1" LCD

- 16MB EDO RAM
- 1.4GB Hard Drive
- 2MB/4MB EDO VRAM
- Built-in 20X CD-ROM
- Windows 95
- Infrared (FIR)
- 512K Cache
- 64-bit Graphic Engine
- 16-Bit Stereo
- 3D Sound / Wavetable
- NIMH Battery
- Carrying Case

Options: Port Replicator, Li-Ion Battery, Car adapter, Win NT, PCMCIA Fax/Modem or LAN Card

NOTEBOOK	MMX 166	MMX 200	MMX 233
14.1" TFT	$2788	$2888	$2988
13.3" TFT	$2628	$2728	$2828
12.1" TFT	$2168	$2268	$2368
12.1" DSTN	$1738	$1838	$1938

WORKSTATIONS/SERVERS

SPARC Compliant SCD 2.1

ULTRASPARC DRIVER

SPARC WORKSTATION FROM $4428

SOLARIS/SCO/UNIXWARE/NT SERVERS FROM $2488

PLEASE CALL FOR MORE INFORMATION

(888) 868-8778

BERKELEY

Phone (510) 843-8888
2316 Shattuck Avenue, Berkeley
Fax (510) 843-8858

SAN FRANCISCO

Phone (415) 763-8888
850 Taraval Street, San Francisco
Fax (415) 763-8848

SAN MATEO

Phone (650) 401-8888
111 E. 5th Avenue, San Mateo
Fax (650) 401-8818

MENLO PARK

Phone (650) 329-8888
441 El Camino Real, Menlo Park
Fax (650) 329-8880

SUNNYVALE

Phone (408) 732-8888
730 East El Camino Real, Sunnyvale
Fax (408) 732-8388

MILPITAS

Phone (408) 262-8888
1558 & 1562 Centre Pointe Dr., Milpitas
Fax (408) 262-8772

DISCOVER VISA ATM CARD MasterCard

HI-TECH USA

ALWAYS THE BEST

www.HiTech-USA.com

TERMS AND CONDITIONS

1. One year parts and labor warranty on systems.
2. Knowledgeable technical support engineers in service.
3. Prices and availability subject to change w/o notice.
4. Shipping, insurance and COD charges are extra and non-refundable. Prices reflect cash discounts.
5. Return shipping must be insured, prepaid and bearing an RMA# on the shipping label.
6. Defective items replaced or repaired at our discretion.
7. No responsible for typos.
8. All returns subject to 15% restocking fee and cover only Hi-Tech USA brand computers, excludes peripherals, software and notebook computers. No refunds after 30 days.
9. Superior reputation for service, quality and value.
10. Purchase orders are welcomed and subject to approval.

SALES HOURS: Mon-Fri: 9am-6pm, (8:30am-6pm Milpitas), Sat: 10am-4pm

SERVICE HOURS: Mon-Fri: 9am-5:30pm, Sat: 10am-3:30pm

Solaris is a trademark of Sun Micro... SPARC is a trademark...

ADVERTISERS INDEX

CLASSIFIED ADVERTISING SECTION STARTS ON PAGE 201

1-888 CD MOVIES + MPEG 146
2BG COMPUTERS 152
A&A TECHNOLOGY 130, 131
A&M COMPUTERS, INC. 174
AAA MEDIA 59
ACER FACTORY OUTLET STORE 18
ACME MICROSYSTEMS 225
AIM COMPUTER 136
ALLDOMAINS.COM 154
AMERICA COMPUTERS 177
AMERICAN ADVANTECH CORP. 89
AMERICAN MULTI SYSTEMS 178
AMT INTERNATIONAL 143
API COMMUNICATIONS 101
APPRO INT'L 18H
ARESCOM 19
ARISE COMPUTER 193
AROMA COMPUTER 140, 141
ART MULTIMEDIA SYSTEMS 139
ASA COMPUTERS 138
BAY AREA MICRO, INC. 67
BAY COMPUTER 61
BCSA COMPUTERS 238
BELMONT SYSTEMS 108, 109
BENITEK COMPUTER 171
BESQ SYSTEMS 40, 41
BETA 90'S 25
BG COMPUTER 87
BINARY INFORMATION SYSTEMS 97
CLS, INC. 58
CALLAN CORP 135
CALTRON INDUSTRIES 52
CENTAUR TECHNOLOGY 2C
CENTRAL COMPUTER 158–166
CHEM USA CORP 18F, 18G
CHICOTEC 105
CITY COM 31
COASTAL 95
COMMAX 33
COMPU 11 11
COMPU D 144, 200, 224
COMPUMART 151
COMPUTER JAM 49
COMPUTER RENAISSANCE 220
COMPUTER SOURCE 145
COMPUTOWN 39
COMTEK COMPUTERS 219
CPU & MEMORY EXCHANGE CLUB 221
CYBEREX TECHNOLOGY INC. 18E
CYPRESS COMPUTER 73
D NET 8
DATACOM SYSTEMS 132, 133
DELL FACTORY OUTLET 2B
DIAMOND LANE 220
DISK DRIVE DEPOT 3
DISKS DIRECT 48
DJ COMPUTERS 173
DYNATEK INFOWORLD, INC. 176
ECONO OFFICE SUPPLY 74
EFI'S DISCOUNT COMPUTER "EDC" 70
ENVISIONS SOLUTION TECHNOLOGY 29
EVERGREEN COMPUTERS, INT. 128, 129
FASTLINK NETWORK PRODUCTS 112, 113
FINE TEC 54
FOR-U COMPUTER 88
FORTUNE MICRO 137
FUTURE COMPUTING SOLUTIONS 175
GEONET COMMUNICATIONS 63
GIGABYTES 100
GNT ELECTRONICS, INC. 47
GOLDEN MICRO COMPUTERS 147
GOLDEN VALLEY SYSTEMS 187
HALTED SPECIALTIES 71
HD SYSTEMS 34–36
HI-TECH USA 230–233, 235
HIQUALITY SYSTEMS 18i
HITRON SYSTEMS 168, 169
HKG COMPUTERS 229
HYPERSURF INTERNET SERVICES 106
IBI COMPUTERS 13
ICON MICROSYSTEMS 52
IDT WINCHIP 2C
INFITECH 118, 119
INPUT AUTOMATION 55
INREACH INTERNET 18L
INSTANTAUCTION.COM 157
INTERNET MARKETING SERVICES 114
INTERNET ZAP 100
INTERPRO 148, 149
IQ INFOQUEST 64, 65
ITS CD 146
J&K TECHNOLOGY 49
JPS NET 18D
KINGSTAR COMPUTER 4
LAITRON 76–81
LANOP 176
LEGEND COMPUTER 43
LEX MICRO SYSTEMS 123
LINDEN MICRO TECH. 226, 227
LIUSKI INTERNATIONAL 2D, 2E
MAC 115
MAGITRONIC 2D, 2E
MARKET PRO 234
MDI TECHNOLOGY 216
MEDIA ON 18B, 18C, 56, 57
MERCURY COMPUTER 237
MERIDIAN COMPUTER SYSTEMS 27
MIC COMPUTER 6
MICROGATE 70
MICROTIMES 50, 217
MICROTIMES QUOTATION HOTLINE 50, 51
MICROTIMES SUPERSTOPS 196, 197
MINI MICRO SUPPLY 16, 17
NET LIMITED 189
NETIS TECHNOLOGY 82, 83
NETWORK ASSOCIATES 199
NEW RIVER 107
NORDIC COMPUTERS 88
OFFICE PRO SYSTEMS 16, 17
OST, INC. 191
PALO ALTO MICRO 102
PARAMOUNT COMPUTERS 121
PC TEN 142
PERFECT SOLUTION MULTIMEDIA 236
PIXEL USA 184, 185
POLYWELL COMPUTERS 44, 45
PRIMETECH SYSTEMS INTEGRATION 18A
PROMOX SYSTEMS 111
PROVEN TECHNOLOGY 53, 174
RECORTEC 2H
RIX TECHNOLOGY 5
ROBERT AUSTIN CORP. 103
SAMPO 2G
SCEPTRE 2A, C3
SILICONRAX 2F
SLIP.NET 7
SMART PAGE 228
SOFT SOLUTIONS 68
SOFTWARE CENTER 234
SONGTECH 215
STARLITE ELECTRONICS 98, 99
STORAGE SYSTEMS ENG. 86
SUNWAY GRAPHICS 125
SUPERCOM C2, C4
SWEET MEMORY 15
SYMPHONY COMPUTER 180, 181
T-ZONE 18J
THE PC DOCTOR 85
TOP DATA / NACOM 69
TRUE COMP AMERICA 127
TSOFT 220
UMIRACLE MICROSYSTEMS 90–94
UNITED MICROSYSTEMS 75
UNIVERSAL COMPUTER PRODUCTS 155
USM DISTRIBUTORS 107
VALUE NET INTERNET SERVICE 102
VARIANT MICROSYSTEMS 179
VISIONEER 9
W&K INTERNATIONAL 153
WEDGE TECHNOLOGY 18K
WEIRD STUFF WAREHOUSE 195
WESTECH MICRO 70
WORLD NET MICROSYSTEMS 223

Software Center plus HARDWARE
501 Howard St.
(Corner of Howard & 1st Street)
San Francisco, CA 94105
(415) 543-0543
(888) 325-3958
Fax: (415) 543-0653

WE DO CUSTOM CONFIGURATIONS & UPGRADES
- Same-Day Repair & Service: On-Site $65/hr. In-House $45/hr.
- Free Tech Support — 9 A.M. - 6 P.M.
- Free Diagnostics
- Certified Technicians will help you to install Novell or Windows Networks

10% OFF ANY PURCHASE OR SERVICE WITH THIS AD
Limited Time Offer – Expires 12/14/97

- We still sell 486 systems and low end Pentium® systems, starting at $750

NEC TOSHIBA AST DELL IBM HEWLETT PACKARD COMPAQ

MarketPro
Show Hrs. 10 - 5pm
COMPUTER SHOWS & SALES

- SAT. NOV. 22 - SANTA ROSA — Sonoma Co. Fairgrounds
- SUN. NOV. 23 - SACRAMENTO — Scottish Rite Center
- NOV. 29 & 30 - VALLEJO — Solano Co. Fairgrounds
- DEC. 6 & 7 - SACRAMENTO — Cal Expo
- SAT. DEC. 13 - FRESNO — Fresno Fairgrounds
- SUN. DEC. 14 - SANTA ROSA — Sonoma Co. Fairgrounds
- SAT. DEC. 20 - SACRAMENTO — Scottish Rite Center
- SUN. DEC. 21 - RICHMOND — Memorial Auditorium
- SUN. DEC. 21 - STOCKTON — Civic Auditorium
- DEC. 27 & 28 - VALLEJO — Solano Co. Fairgrounds

$1 OFF Adm. W/Ad
Regular Adm $6

For Info.: (415) 456-6730
Internet: http://marketpro.com

SAVE UP TO 90% HARDWARE • SOFTWARE • ACCESSORIES

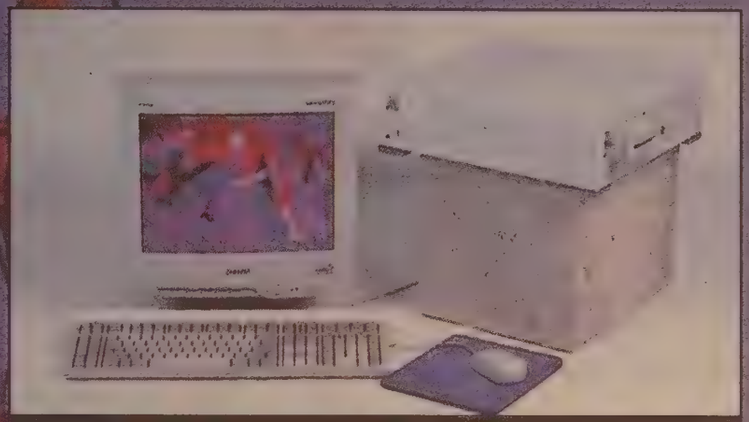
This index is provided as an additional service. Although we do our best to maintain accuracy, the publisher does not assume liability for errors or omissions.

HI-TECH USA

ALWAYS THE BEST

(888) 868-8778 ORDER
(408) 946-6886 SERVICE
(408) 262-8772 FAX
WWW.HITECH-USA.COM

CONTACT US FOR SOLARIS/SCO/UNIXWARE/NT SERVERS SOLUTIONS



If someone sees a UNIX brand as proof that its OS is robust, scalable and manageable, doesn't that tell you all of you committed to UNIX that you made the right choice?

Sure, UNIX had won a large share of the client market.

For your multiple choice, We've built up the UNIX and NT Systems in this battlefield.

HI-TECH U1002X SERVER

DUAL PENTIUM II 300MHZ

$4,588

BUSINESS LEASE $160/MONTH

- Intel chipset Mainboard w/Dual Pentium II 300
- 128 MB DIMM SDRAM
- Teac 1.44MB Floppy Disk Drive
- 10/100MBPS PCI Ethernet Card
- Diamond Stealth 64 PCI Ethernet Card
- 9GB Ultra Wide SCSI-3 HD
- Adaptec 2940UW Ultra Wide SCSI-3 PCI Controller w/RAID Support
- 16X SCSI Internal CD-ROM
- ATX Tower Server Case w/300W Power Supply
- Logitech PS/2 3 Button Mouse
- Keytronic Enhanced Keyboard
- Solaris Workgroup Server V2.6 (pre-installed)

OPTIONS: SCO/UNIXWARE/NT

266 MHZ .....$4,168 .....$145/MO
233 MHZ .....$3,939 .....$138/MO

Ask for Redundant Power Supply/Rackmount Case

HI-TECH XPII SERVER

PENTIUM II 233MHZ

SOLARIS V2.6 IS AVAILABLE

$2,488

BUSINESS LEASE $88/MONTH

- Intel chipset Mainboard w/Pentium II 233
- 64 MB DIMM SDRAM
- Teac 1.44MB Floppy Disk Drive
- 10/100MBPS PCI Ethernet Card
- Diamond Stealth 64 PCI W/2MB
- 4.5GB Ultra SCSI-2 HD
- Adaptec 2940 SCSI-2 PCI Controller
- 16X SCSI Internal CD-ROM
- ATX Tower Server Case w/300W Power Supply
- Logitech PS/2 3 Button Mouse
- Keytronic Enhanced Keyboard
- Solaris Workgroup Server V2.6 (pre-installed)

OPTIONS: SCO/UNIXWARE/NT

266 MHz.....$2,628 .....$92/MO
300 MHz.....$2,828 .....$99/MO

Ask for Redundant Power Supply/Rackmount Case

HI-TECH UX 20300 WORKSTATION

ULTRA SPARC II

$15,998

BUSINESS LEASE $560/MONTH

- SUN Mainboard w/Chassis, SUN Power Supply
- Ultra II 300MHZ CPU w/2MB Cache
- 64MB RAM
- Turbo GX Graphic Acceleration w/1MB DRAM, 1150x900
- 4.3GB Ultra SCSI INT. HD
- 1.44MB Floppy Disc Drive
- Type5 Enhanced keyboard
- Mechanical Mouse w/Pad
- 15X SCSI Internal CD-ROM
- 17" NI .26mm Monitor
- Solaris Workgroup Server V2.6 (pre-installed)

OPTIONS:

UltraSparc I w/200MHz...$8,668 ..$304/MO
HyperSparc w/150 MHz ..$8,998 ..$315/MO

Ask for the Other Models

HI-TECH MS 50110 WORKSTATION

TURBO/MICRO SPARC 5

$4,528

BUSINESS LEASE $159/MONTH

- System Board w/Chassis, Power Supply
- Sparc 5 110MHZ CPU
- 64MB RAM
- SVGA Frame Buffer
- 2GB Ultra SCSI Int. HD
- 1.44MB FDD
- Type 5 Enhance keyboard
- Mechanical Mouse w/Pad
- 15X SCSI Internal CD-ROM
- 17" NI .26mm Monitor
- Solaris Workgroup Server V2.6 (pre-installed)

OPTIONS:

MicroSparc w/85MHz .....$4,428...$155/MO
TurboSparc w/170 MHz...$CALL .....$CALL

Ask for the Other Models

- 5 YEARS LABOR AND 1 YEAR PARTS WARRANTY
- 24 HOUR RESPONSE FOR TECHNICAL SUPPORT
- LIFETIME FREE TECHNICAL SUPPORT
- OPTIONAL ON-SITE SERVICE

PLEASE SEE OUR FOUR PAGE AD FOR ADDITIONAL SYSTEMS & COMPONENTS

SALES & SERVICE HOURS: MONDAY - FRIDAY, 9AM TO 6PM

HITECH USA
ALWAYS THE BEST
www.Hi-Tech.com

DISCOVER
ATM CARD

BERKELEY

Phone (510) 843-8888
2318 Shattuck Avenue, Berkeley
Fax (510) 843-8858

SAN FRANCISCO

Phone (415) 753-8888
850 Taraval Street, San Francisco
Fax (415) 753-8848

SAN MATEO

Phone (650) 401-8888
111 E. 5th Avenue, San Mateo
Fax (650) 401-8818

MENLO PARK

Phone (650) 328-8888
441 El Camino Real, Menlo Park
Fax (650) 328-8888

SUNNYVALE

Phone (408) 732-8688
730 East El Camino Real, Sunnyvale
Fax (408) 732-8388

MILPITAS

Phone (408) 262-8688
1558 & 1562 Centre Pointe Dr., Milpitas
Fax (408) 262-8772

Solaris is a trademark of [illegible] SPARC is a trademark of SPARC international. All other trademarks are property of their respective owners.

Perfect Solution Multimedia Inc.

Serving You Since 1984

7-Year Labor & 1-Year Parts Warranty on All Computers

FREE DELIVERY FOR CORP. CUSTOMERS!

Intel Pentium® II System, Atlanta M/B, 32MB EDO, 512K, 4.3GB, 17" Sony, 4MB #9 Revolution 3D AGP Millennium II

- Intel Atlanta M/B, AL440LX Chipset w/CPU Cooling Fan
- **32MB** SDRAM DIMM
- 1.44MB TEAC Floppy Drives
- **4.3GB Maxtor** IDE Hard Drive
- Enhanced PCI HD Controller w/High Speed I/O
- **4MB #9 Revolution 3D AGP Graphic Card**
- Sound Blaster 16 Sound Card & 180W Speakers
- 24X Panasonic IDE CD-ROM
- ATX Medium Tower Case w/2nd Cooling Fan
- 104 Keytronic PS2 Keyboard
- Logitech Mouseman PS2 Mouse
- **17" Sony 200SX** .25 MPR-2 Green Monitor
- 7-Year Labor, 1-Year Parts Warranty

PZ-300MHz $2669

PZ-266MHz $2439

PZ-233MHz $2299

Intel Pentium® II System, Portland M/B, 512K Cache, 32MB EDO, 4MB Matrox Millennium II, 4.3GB Ultra, 17" Proton

- Intel Portland Pro Motherboard 440FX Chipset, 512K L2 Cache
- 32MB EDO RAM (Max 256MB)
- 1.44MB TEAC 3.5" Floppy Drive
- 4.3GB Maxtor Ultra IDE Hard Drive
- Enhanced PCI HD Controller w/High Speed I/O
- 4MB Matrox Millennium II PCI Graphic Card
- ATX Medium Tower Case w/2nd Cooling Fan
- 104 Keytronic PS2 Keyboard
- Logitech Mouseman PS2 Mouse
- 17" Proton 1280x1024 .25 (NEC Tube) Green Monitor
- 7-Year Labor, 1-Year Parts Warranty

PZ-266MHz $1999

PZ-233MHz $1859

Multimedia Kits

24X Kits

- 24X Panasonic IDE CD-ROM Drive
- 180 Watt Speakers
- American Concise Encyclopedia

w/ESS 1869 3D Sound Card $169

w/Sound Blaster 16-Bit Sound Card. . . $199

w/Sound Blaster AWE 64 Sound Card . $239

Networks Designed & Installed

Networking Products . . . . . CALL

Pentium® T-4 (430TX) ATX Based System 512K Pipeline, 32MB EDO, 4.3 GB, 2MB Diamond 3D, 17" Proton Monitor

- PCI Motherboard Manufactured by FREE Technology
- Intel 430TX Chipset, ACPI Power Management
- 512K Pipelined Cache & Cooling Fan
- 32MB EDO RAM (Expandable to 256MB)
- 1.44MB TEAC Floppy Drive
- 4.3GB Ultra IDE WD Hard Drive
- Enhanced IDE, Supports Ultra DMA/33 High-Speed I/O, Two USB Ports
- **2MB Diamond Virge 3D, EDO RAM** Graphics Card
- ATX Medium Tower Case with 2 Cooling Fans
- 104 Keytronic PS2 Keyboard
- Logitech Mouseman PS2 Mouse
- 17" Proton 1280x1024 .25 (NEC Tube) Green Monitor
- 7-Year Labor Warranty, 1-Year Parts Warranty

233MMX $1179

200MMX $1389

166MMX $1334

P-133 $1299

K6-200 $1349

PS Performance System Pentium® Based System 16MB, 2.6GB 15" Proton Monitor

- PCI Motherboard Manufactured by FREE Technology
- Intel 430 VX Chipset, 512K Pipelined Cache & CPU Cooling Fan
- 16MB EDO RAM
- 1.44MB TEAC Floppy Drive
- **2.6GB Fujitsu** Hard Drive
- Enhanced PCI HD Controller w/High Speed IO
- 2MB S3 Virge 3D Graphics Card
- Medium Tower Case
- 104 Keytronic Keyboard
- Logitech Mouseman PS2 Mouse
- 15" Proton 1280x1024 .28 MPR-2, digital, Green Monitor
- 7-Year Labor Warranty, 1-Year Parts Warranty

233MMX $1019

200MMX $929

166MMX $871

P-133 $839

K6-200 $989

AMD K5-166MHz, 16MB, 2.6GB, CD, 33.6 Modem, SVGA NI

- VIA Chipset, 512K Pipelined Cache
- 16MB EDO RAM
- **2.6GB Fujitsu** Hard Drive
- 1.44 TEAC Floppy Drive
- Enhanced PCI Controller
- 2 Serial, 1 Parallel Ports (High Speed)
- 1MB S3 PCI Graphics Card w/MPEG Capability
- 33.6 Voice Fax Modem, Sound Card, & Speakers
- 24X Unitron CD-ROM Drive
- Mini Tower w/Power Supply
- 101 Enhanced Mitsumi Keyboard
- Mitsumi PS2 Mouse
- 14" Proton 1024x768, .28 SVGA Non-Int Full Screen Monitor w/72Hz Refresh Rate
- CPU Cooling Fan
- 7-Year Labor Warranty, 1-Year Parts Warranty

$869

CONTROLLERS

IDE w/I/O	$25
Adaptec 2940UW PCI Wide SCSI w/Kit	239
Adaptec 3940 UW PCI Wide SCSI	419

SOUND CARDS

ESS 1869 Sound Card w/3D Sound	$32
Sound Blaster 16	59
Sound Blaster AWE 64	99

FAX MODEM

33,600 Voice/Fax Modem	$59
56K Voice/Fax Modem	99
US Robotics 33.6 w/Voice Int.	119
US Robotics 56K w/Voice Int.	169

MULTIMEDIA

24X Panasonic IDE CD-ROM	99
60-Watt Speakers, Magnetically Shielded	19

SVGA NON-INTERLACED MONITORS (Green)

14" Proton 1024x768 .28	$179
15" Proton 1280x1024 .28 Green Digital	239
17" Proton 1280x1024 .25 (NEC Tube)	489
17" Sony 200SX 1280x1024 .25	619

CASE & POWER SUPPLY

Mini Tower w/230W	$39
Medium Tower w/230W	52
ATX Form Medium Tower	79
230W PS	29

MOUSES

Logitech Mouseman PS/2 or Serial	$29
Mitsumi Serial Mouse	12
Mitsumi PS/2 Mouse	12

OPERATING SYSTEM (w/System Purchase)

Windows 95, CD (SR-2) ver.	$99
Windows NT 4.0 Workstation	159

DRIVES

Teac 1.44MB	$32
Panasonic 1.2MB/1.44MB	46

DISPLAY CARDS

1MB Trident ISA	$46
1MB S3 PCI	34
2MB S3 Virge 3D DRAM PCI	49
2MB Diamond Virge 3D EDO RAM PCI	69
4MB Matrox Millenium II PCI	229
4MB #9 Revolution 3D AGP	289

Prices subject to change. Not responsible for typographical errors. Pentium is a registered trademark of Intel Corp.

10032 San Pablo Ave.
El Cerrito, CA 94530
TEL. (510) 527-6908

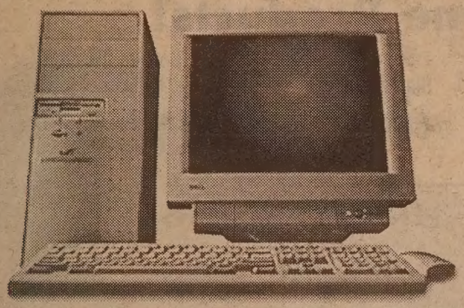
VISA COD MasterCard

OPEN 6 DAYS
Mon-Sat: 9:30am to 6pm
FAX (510) 527-3823

WHY PAY MORE? CALL
Mercury Computer Corp.

Servicing the Bay Area for over 12 years (since 1985), we provide the best quality systems at very low prices. Our skilled technicians are trained to handle difficult problems. We service Systems, Monitors and Laser Printers. Give us a chance to solve your needs.

INTERNET-READY SYSTEMS AVAILABLE!



- *Repairs & Upgrade Specialist*
- *ON-SITE Service/Delivery Available*
- *Leasing Available Based on Credit Approval*
- *We Build Each System to Fit Your Needs*

SYSTEMS

Mercury Pentium® II System

Mercury Pentium® II-FX Portland 233MHz System

- Intel Pentium® II 233MHz/MMX/512K
- ATX Medium Tower Case w/250W
- Intel Portland Motherboard
- 32MB 60ns EDO RAM (expandable to 256MB)
- Maxtor 4.3GB EIDE Hard Drive
- Teac 1.44MB Floppy Drive
- ATI All-In-Wonder 4MB Multimedia Video Card
- 24X Internal CD-ROM Drive
- Yamaha Sound Chip OPL3-SA3 Built-in
- Deluxe 200 Watt Multimedia Speakers
- US Robotics 56Kx2 Int. Fax Modem with Voice
- Enhanced Windows '95 Keyboard
- NEC PS/2 Mouse/Mouse Pad
- Windows 95 (CD-ROM w/Registration)
- 1-Year Parts/Labor Warranty

Pentium® MMX	
233MHz MMX	$1769
266MHz MMX	$1909
300MHz MMX	$2149

Call for Dual Pentium® P-II System

Mercury Pentium® II-LX Atlanta 266MHz UDMA System

- Intel Pentium® II 266MHz/MMX/512K
- ATX Medium Tower Case w/250W
- Intel Atlanta 440LX Motherboard
- Accelerated Graphics Port Slot
- 32MB DIMM 10ns Upgrade to 384MB
- 4.3GB UDMA IDE Hard Drive
- Teac 1.44MB Floppy Drive
- Diamond AGP V330 4MB Multimedia Video Card
- 24X Internal CD-ROM Drive
- Yamaha Sound Chip OPL3-SA3 Built-in
- Deluxe 200 Watt Multimedia Speakers
- US Robotics 56Kx2 Int. Fax Modem with Voice
- Enhanced Windows '95 Keyboard
- MS PS/2 Mouse/Mouse Pad
- Windows 95

Pentium® MMX	
233MHz MMX	$2019
266MHz MMX	$1879
300MHz MMX	$2259

Mercury Anchorage 200MMX SDRAM MultiMedia System

- Intel Anchorage AN430TX ATX Motherboard
- Intel Pentium® 200MHz Processor w/MMX Technology
- Intel 82430TX Chipset SDRAM Memory Slot
- 512K PipeLine Burst Cache RAM
- 32MB (4x64) SDRAM Long Dimm
- Quantum 2.1GB UMDA IDE Hard Drive
- Teac 1.44MB Floppy Drive
- ATI 3D X'pression with 2MB EDO RAM/MPEG
- Toshiba 24X CD-ROM Drive
- Yamaha Sound Card • 100W Speaker w/Headsets
- Impression 33.6 Int. Fax/Modem w/Voice
- ATX Medium Tower case with 235W
- NEC PS/2 Microsoft Mouse w/Pad
- Keytronic PS/2 Keyboard
- Microsoft Windows '95
- 1-Year Parts/Labor Warranty
- Monitor Sold Separately

Pentium®		Pentium® MMX	
150MHz	$1019	166MHz MMX	$1049
166MHz	$1049	200MHz MMX	$1149
200MHz	$1119	233MHz MMX	$1249

Mercury Small Business/Home Pentium® 166MMX System

- Intel Pentium® 166MHz Processor w/MMX Technology
- Intel P51430 VX-250 Chipset Motherboard
- Mini Tower Case w/250 Watt Power Supply
- 512K Pipeline Burst Cache
- 16MB SIMM
- 1.2GB EIDE Hard Drive
- NEC 1.44MB Floppy Drive
- Creative Labs Graphics Blaster w/2MB EDO DRAM
- Sony 16X CD-ROM Drive
- Keytronic Windows 95 104-Keyboard
- NEC Serial Mouse w/Mousepad
- SC-16B Wave 3D PnP/Yamaha OPL3
- 100W Speakers
- Impression 33.6 Int. Voice/Fax/Modem
- Microsoft Windows 95
- 1-Year Parts/Labor Warranty
- Monitor Sold Separately

Pentium®		Pentium® MMX	
150MHz	$759	166MHz MMX	$789
166MHz	$799	200MHz MMX	$889
		233MHz MMX	$989

Call for Cyrix/AMD CPU System

Due to fluctuations in the industry, prices can change daily. Please call for current pricing.

NOTEBOOKS

14.2" TFT Notebook

- 32MB RAM (Memory up to 128MB EDO)
- 2.1GB Hard Drive/3.5" Floppy Drive
- Li-Ion Battery
- Carrying Case
- Windows 95
- Intel Pentium® 200MHz/MMX/512K
- One-Year Parts and Three-Year Labor warranty

ChemBook 2700	ChemBook 6800XL
DFI 8241	16X CD-ROM
20X CD-ROM	4MB Video RAM EDO
2MB Video RAM EDI	
$3459	CALL

12.1" TFT Notebook

- 12.1" SVGA TFT Screen (13" Optional)
- Intel Pentium® 166MHz/MMX/512K
- Built-in 16MB RAM
- Li-Ion Battery
- 1.3GB Hard Drive/3.5" Floppy Drive
- 2MB Video RAM
- Carrying Case
- One-Year Parts and Three-Year Labor warranty

ChemBook9750
$2459
13" TFT Optional

13.3" ChemBook 6800XL

- 13.3" SVGA TFT Screen
- Intel Pentium® 166MHz/MMX/512K Processor
- 16MB RAM (Memory up to 128MB EDO)
- 1.4GB Hard Drive/3.5" Floppy Drive
- 16X CD-ROM
- Li-ion Battery
- 4MB Video RAM
- 16-Bit Audio with Stereo Speakers
- W95 Keyboard Touch Pad Pointing Device
- Carrying Case
- One-Year Parts and Three-Year Labor Warranty

$2889

MONITORS

NEC

17" NEC E700 Monitor	$689

SONY

Sony 200SF 17" .25 1600x1200	$749
Sony 200SX 17" .25 1280x1024	$649

IMPRESSION

Vienna P21S 21" .28 1600x1200	$1399
Vienna Pro 17 17" .25 1600x1200 (Diamondtron CRT)	$629
Impression 7VX 17" .26 1600x1200	$619
Impression 7+ 17" .27 1280x1024	$459
Impression 5VX 15" .28 MPR2 1280x1024	$259
Impression 4VX 14" .28 Digital	$179

VIEWSONIC, SAMPO, etc.

Email: mercury@ccnet.com www.mercuryever.com
1733 Broadway, Oakland, CA 94612 Phone: (510) 763-7631 • Fax: (510) 763-0814

Mercury Computer Corp.

Regular Business Hours: Monday-Friday 9-5:30 Saturday 10-2

Prices subject to change without notice. Mercury Computer Corp. is not responsible for any typographical errors.

Experienced & Knowledgeable Service Since 1992

•Expert Technical Staff for Solutions, Upgrades & Repair
•On-Site Services Available •Complete Networking Services
WINDOWS NT - WINDOWS FOR WORKGROUPS - NOVELL

Service & Quality Make the Difference

5-Year Labor Warranty & 1-Year Parts on All Systems

Special Savings On These Brand Name Products!

US Robotics Sportster 56K Fax/Modem	Lanpro 8-Port Hub	Diamond Viper V330 w/4MB SGRAM	Toshiba 24X CD-ROM Drive	Sound Blaster 64	Iomega IDE Zip Drive
$139 after rebate	$70	$179	$95	$99	$125

AMD SYSTEMS

- AMD® Processor
- Motherboard, Triton Chipset
- 512K Pipeline Burst Cache
- 16MB EDO RAM
- 1.6GB Hard Drive
- 1.44MB Floppy Drive
- 8X CD-ROM Drive
- Sound Blaster 16 Compatible Card
- Amplified Speakers
- Impression 3+ Monitor .28dp
- SVGA w/1MB Card
- 2S, 1P, 1G Ports
- Built-in IDE, I/O Controller
- Mini Tower Case w/PS
- 104-Key Keyboard
- MS Compatible Mouse
- Windows 95

K6-166 .....$879
K6-200 .....$969
K6-233 .....$1179

586 SYSTEMS

- Intel Pentium® Processor
- P-5 Motherboard, Triton Chipset
- 512K Pipeline Burst Cache
- 32MB EDO RAM
- 2GB Hard Drive
- 24X CD-ROM Drive
- 1.44MB Floppy Drive
- Panasonic E50
- Diamond Stealth 3D w/4MB EDO
- Sound Blaster 16 Compatible
- Microsoft Mouse
- Amplified Speakers
- Mini Tower Case w/PS
- Maxi Nova Keyboard
- Windows 95

P-150 .....$1189
P-166MMX $1219
P-200MMX $1319
P-233MMX $1409

PENTIUM® II SYSTEMS

- Intel LX Motherboard
- 32MB SDRAM
- Western Digital 4.3GB Hard Drive
- Diamond Viper V330 w/4MB SGRAM
- Teac 1.44 Floppy Drive
- Toshiba 24X CD-ROM Drive
- SB 64
- ADI 5P 16" Viewable Monitor
- MS Natural Keyboard
- ATX Medium Tower Case
- Altec Lansing Speakers w/subwoofer
- Windows 95
- Microsoft Intellimouse

Pentium® II-233MHz....$2239
Pentium® II-266MHz....$2389
Pentium® II-300MHz....$2599

MULTIMEDIA

NEC 15X SCSI CD-ROM Drive	$159
Toshiba 12X SCSI CD-ROM Drive	129
Mitsumi 8X CD-ROM Drive	70
Sound Blaster 16	59
Sound Blaster 64	99
Stereo Speakers	from 10

TV - VIDEO CAPTURE

Miro Video Capture	$279
Connectix Quickcam Color	239

NOTEBOOKS

NEC	CALL
Toshiba	CALL
AST	CALL

CASES

Mini Tower Case w/PS	$55
Baby AT Case w/PS	65
Mid-Tower w/PS	65
Full-Tower w/PS	85
ATX Mid-Tower Case	90
ATX Full-Tower	119
Server Tower w/Dual Fan & 250W PS	109

VIDEO CARDS

MGP Card	$15
Stealth 64, 3D EDO 2MB/4MB	65/89
Stealth 2/4MB VRAM 3D	149/169
Matrox Mystique 2MB SG RAM	129
Matrox Millennium 2/4MB	159/199

KEYBOARDS

Maxi Nova	$25
Keytronic	30
Focus 2001	35
MS Natural Keyboard	75
Cirque Glidepoint Keyboard	89
Keytronic Wireless Keyboard	89

HARD DRIVES

1.6GB IDE	$165
2GB IDE	185
2.5GB IDE	199
3GB IDE	229
4.3GB IDE	259
6.4GB IDE	349
2GB SCSI	239
4GB SCSI	589

CALL FOR OTHER HARD DRIVES

MONITORS

Amber 14"	$95
VGA Mono	99
SVGA NI 1024x768 .28dp 14"	195
ADI 4P 1280x1024 .28dp 15"	319
ADI 5P 17"	519
Sony 100SX 15"	379
Sony 200SX 17"	719

MICE

3-Button Mouse	$10
Logitech 2-Button	22
MS Mouse/Bus	49/79
Logitech Mouseman/Bus	39/69
Logitech Marble Trackman	85
Kensington Expert Mouse	99
Alps GlidePoint Mouse	69

CONTROLLERS

IDE Controller 2FD/2HD	$15
IDE I/O Controller	18
Promise 2300 Plus	59
Adaptec 2842VL SCSI	239
Adaptec 2940 PCI SCSI	199
Adaptec 2940U Wide SCSI	259

MOTHERBOARDS

Pentium®-150 PCI w/CPU	$215
Pentium®-166MMX w/CPU	239
Pentium®-200MMX w/CPU	339
Pentium® II-233MHz w/CPU	660
Pentium® II-266MHz w/CPU	799
Pentium® II-300MHz w/CPU	1029

PRINTERS

Hewlett Packard

DeskJet 870CXI	$399
LaserJet 6LXi	399
LaserJet 6PXI	799
ScanJet 5P	299

MODEMS

US Robotics 33.6 Int./Ext.	$99/169
US Robotics 56.6 Int./Ext.	189/209
US Robotics 33.6 PCMCIA	249
Zoltix 33.6 Int Fax Modem	70

TAPE BACKUPS

Colorado 4000S Int.	$399
Colorado 3.2GB Int.	179
Iomega Zip Drive IDE Int.	125
Iomega Zip Drive SCSI Ext.	169
Iomega 1GB Jaz Drive Ext.	399

NETWORKING

8-Port Hub	$79
16-Port Hub	199
3COM 8-Port Hub	139
3COM 3C509 T/P/Combo	59/89
3COM 3C509 PCMCIA 10BT/Combo.	159/200
3COM 3C900TP/3C900C.	69/89
3COM 3C905.	79
SMC Elite Combo	95

MISCELLANEOUS

Various Cables/Adapters	CALL
Heat Sink w/Fan	$9
Printer Auto Switch	19
Joystick	from 15

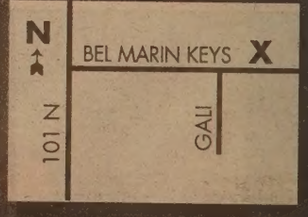
BCS COMPUTERS

385 Bel Marin Keys Blvd.,
Novato, CA 94949

(415) 382-1BCS
(415) 883-7392
Fax: (415) 883-8104

Hours: M-F 10:00am-6:00pm • SAT 11:00am-4:00pm

MasterCard VISA



Dealer Inquiries Welcome *Volume Discount Available* *Price subject to change without notice* *Trademarks are registered by respective companies

Been There, Done That!

The FT15
LCD multimedia monitor

Our current model, the FT15, is Sceptre's 5th generation flat panel monitor. We definitely have been there and done that when it comes to providing LCD flat panel monitor solutions! Read what these people have to say about Sceptre:

"I was confronted with the problem of creating an easy to use, computer friendly workstation for our executives who demonstrate our Britannica Online®... I needed a monitor that was both technically and aesthetically appropriate ... Sceptre's LCD allows us to do everything we need to. The price was within our range as well. It's worked like a champ."

Larry Merrick, Vice President, MIS
Encyclopedia Britannica

"I reviewed a few different flat panel monitors. Sceptre's was the best in terms of dimensions, features, and lack of interference. It was also the most realistically priced. It was a pretty easy choice."

Richard Hinson, medical research scientist
Wyeth-Ayerst Research

To find out how a Sceptre LCD flat panel monitor can provide the solution to your challenge, visit our web site at:

www.sceptretech.com

or give us a call at

800-788-2878

1024 x 768 resolution
14.5" diagonal view
Amplified stereo speakers
2.5" thin (without base)
7.5 lb. light (without base)
Easily detached base
(FT15 also available in charcoal gray)

SCEPTRE®
EXCELLENCE FOR ALL THE WORLD TO SEE

Touch Computer Systems

Your local PC components distributor and manufacturer of custom computer systems.

TOUCH LITE System

Desk Top Case
200Mhz Pentium® processor with MMX technology
32MB Ram
1.44 Floppy Drive
1.6GB Enhanced IDE Hard Drive
Video 4MB/ VRAM
56K bps Modem
24X IDE CD-ROM Drive
16-bit Sound Card
104-key keyboard
Microsoft Windows 95
2-button Serial Mouse
15" Digital Monitor

TOUCH System

Mini Tower Case
266Mhz Pentium®II processor
32MB Ram
1.44 Floppy Drive
2.5GB Enhanced IDE Hard Drive
Video 4MB/ VRAM
56K bps Modem
24X IDE CD-ROM Drive
16-bit Sound Card
Ergonomic 104-key keyboard
Microsoft Windows 95
Internet Mouse 3-button (1scroll)
15" Digital Monitor
Touch Video Conference Kit

TOUCH PRO System

Mini Tower Case
300Mhz Pentium®II processor
64MB Ram
4.3GB Enhanced IDE Hard Drive
AGP Video/ 4 MB SGRAM
56K bps Modem
24X IDE CD-ROM Drive
16-bit Sound Card
Ergonomic 104-key keyboard
Microsoft Windows 95/ Microsoft NT Work Station 4.0
Internet Mouse 3-button (1scroll)
17" Digital Monitor
Touch Video Conference Kit

Touch Enterprise System

Server Solutions for the enterprise of all sizes

The Internet, intranets and extranets have changed all the rules. Access to information is a 24x7 proposition. Today, even small and medium size companies need the power, salability, reliability and fault-tolerance once reserved for big data centers. Supercom's Touch Enterprise Series won't let you and your data down.

- ***Power & Scalability***
- ***Reliability and Fault-Tolerance***
- ***Enterprise Level System Management***
- ***Let Supercom Build an Enterprise Server Solution for You***

MMX™ intel inside pentium® II PROCESSOR

- Arizona
- California (Milpitas)
- California (San Diego)
- Colorado
- Florida
- Illinois
- Kansas
- Massachusetts
- Minnesota
- New Jersey
- New York(Buffalo)
- Oregon
- Pittsburgh
- Texas (Dallas)
- Texas (Houston)
- Texas (San Antonio)
- Utah
- Washington
- Washington D.C.
- Toronto
- Vancouver
- Montreal
- London (England)

...and growing!

Call your *local*
Supercom office at
1-800-888-1888
supercom.com
ISO 9002 Certified

The Intel Inside Logo and Pentium logos are registered trademarks and MMX is a trademark of Intel Corporation. All other product and company names are the trademarks or registered trademarks of their respective owners.

Supercom TOUCH